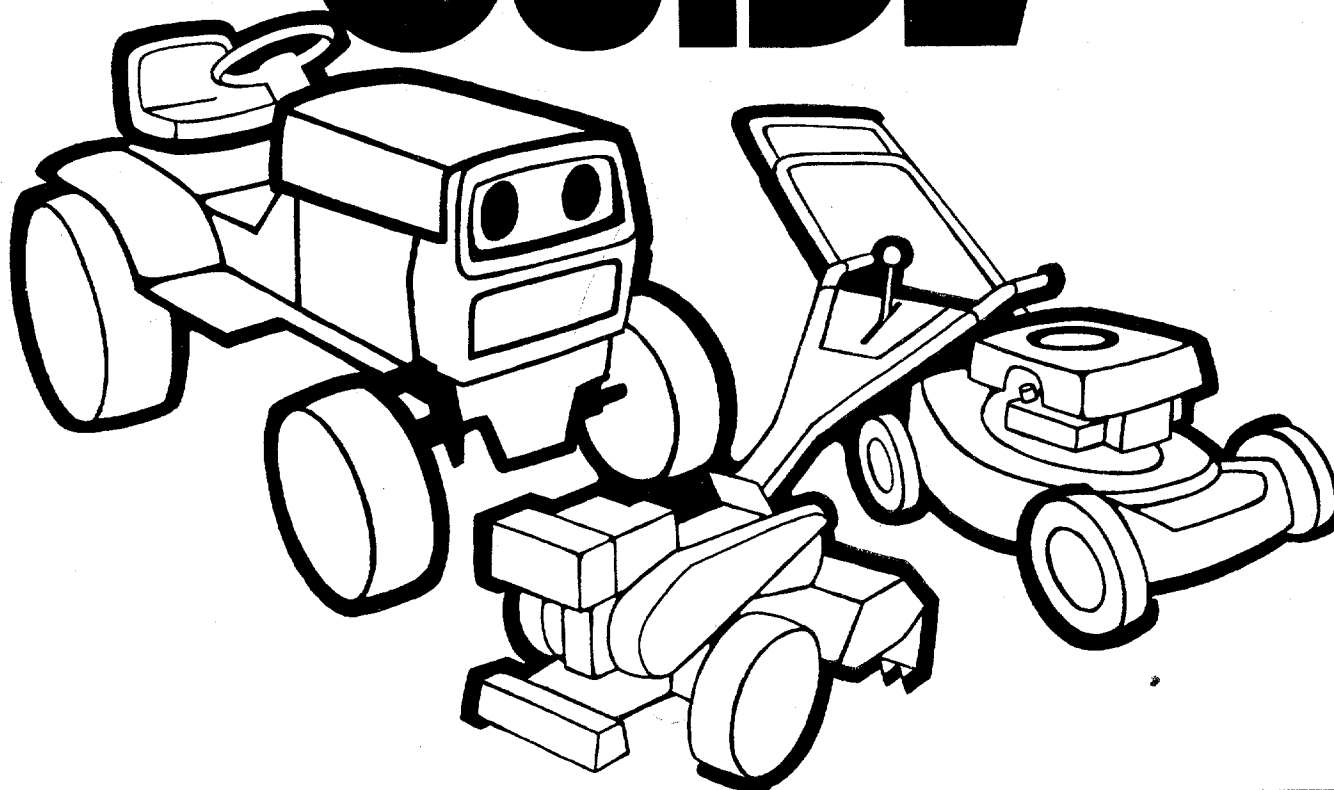


OWNER'S GUIDE



**ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST**

**IMPORTANT:
Read Safety Rules
and Instructions**

MODEL NUMBERS

130-525A

130-526A

**26"
RIDING
MOWERS**

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LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



WARNING

TO PURCHASERS OF INTERNAL COMBUSTION ENGINE EQUIPPED MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

IMPORTANT

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and amount.

This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—**READ THE OWNER'S MANUAL.**
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
3. Do not carry passengers
4. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidentally thrown by the mower in any direction.
5. Clear work area of objects which might be picked up and thrown by the mower in any direction.
6. Disengage all attachment clutches and shift into neutral before attempting to start engine.
7. Disengage power to attachment(s) and stop engine before leaving operating position.
8. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
9. Before attempting to unclog the mower or discharge chute, stop the engine and be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
10. Disengage power to attachment(s) when transporting or not in use.
11. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
12. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
13. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
14. Stay alert for holes in terrain and other hidden hazards.
15. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
- D. Use counterweight(s) or wheel weights when suggested in owner's manual.
16. Watch out for traffic when crossing or near roadways.
17. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
18. Handle gasoline with care. It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.
19. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
20. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
21. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
22. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
23. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
24. Do not change the engine governor settings or overspeed the engine.
25. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
26. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
27. Look behind to make sure the area is clear before placing the transmission in reverse and backing up.

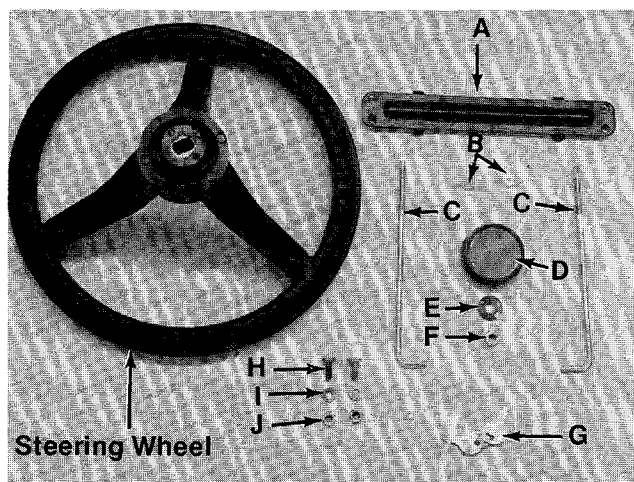


FIGURE 1.

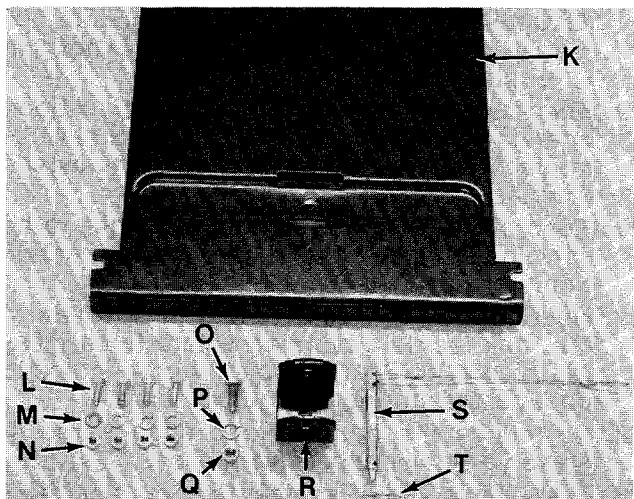


FIGURE 2.

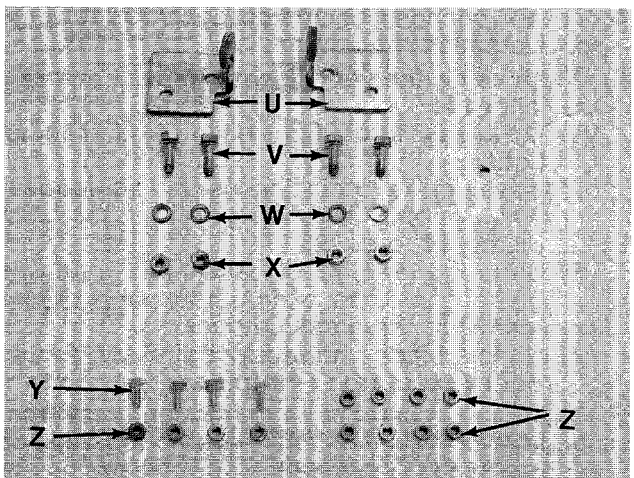


FIGURE 3.

ASSEMBLY INSTRUCTIONS

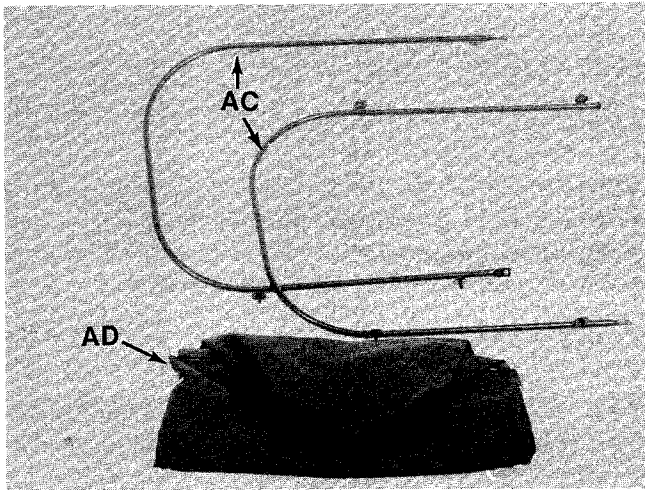
← LOOSE PARTS IN CARTON:

- (1) Steering Wheel
- (1) Battery Pack with Acid
- (1) Carton with Grass Catcher, Hitch Plate and all Hardware.

HARDWARE IN PARTS PACK:

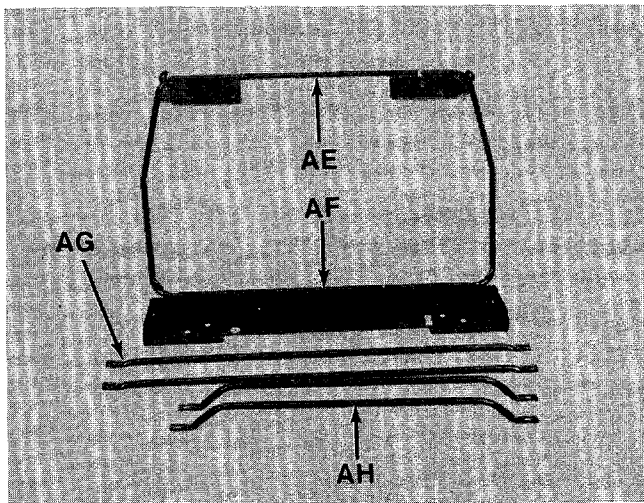
(See figures 2, 3, 4 and 5)

- A (1) Battery Hold Down Bracket
- B (2) Plastic Wing Nuts
- C (2) Battery Hold Down Rods
- D (1) Steering Wheel Cap
- E (1) Belleville Washer
- F (1) Hex Lock Nut 5/16-18 Thread
- ← G (2) Ignition Keys
- H (2) Hex Screws 1/4-20 x 3/4" Long
- I (2) Lock Washers 1/4" I.D.
- J (2) Hex Nuts 1/4-20 Thread
- K (1) Rear Hitch Plate
- L (4) Hex Screws 5/16-18 x 3/4" Long
- M (4) Lock Washers 5/16" I.D.
- N (4) Hex Nuts 5/16-18 Thread
- O (1) Hex Screw 3/8-16 x 1" Long
- P (1) Lock Washer 3/8" I.D.
- Q (1) Hex Nut 3/8-16 Thread
- R (1) Hitch Bracket
- S (1) Hitch Pin
- T (1) Hairpin Cotter
- U (2) Hinge—Right and Left Hand
- V (4) Hex Sems Bolts 5/16-18 x 1.00" Long
- ← W (4) Lock Washers 5/16" I.D.
- X (4) Hex Nuts 5/16-18 Thread
- Y (4) Hex Bolts 1/4-20 x 5/8" Long
- Z (12) Hex Lock Nuts 1/4-20 Thread



- ← AC (2) Grass Catcher Side Frames
AD (1) Grass Bag

FIGURE 4.



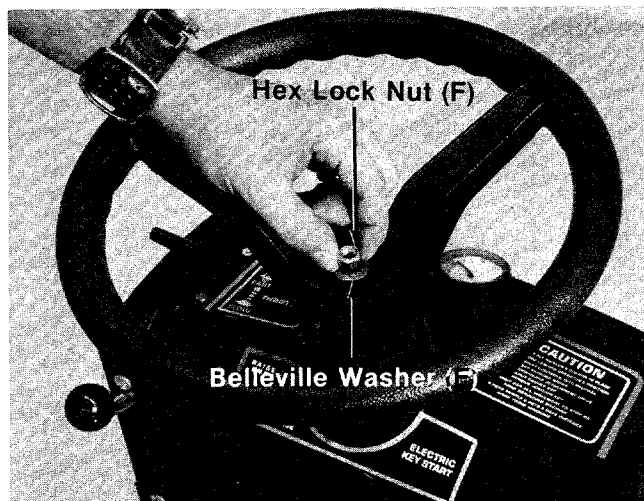
- AE (1) Frame Assembly
AF (1) Dust Cover
← AG (2) Bottom Cross Braces
AH (2) Catcher Handles



NOTE

Reference to right hand or left hand side of machine is observed from the driver's seat facing forward.

FIGURE 5.



MOUNTING THE STEERING WHEEL

1. Remove the riding mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.
2. Place the steering wheel over the steering shaft. See figure 6.
3. Secure with the belleville washer (E) and the 5/16" hex lock nut (F). See figure 6.



NOTE

Install the washer with the cupped side down.

FIGURE 6.



FIGURE 7.

4. Press the cap (D) on the steering wheel by hand. See figure 7.

BATTERY INFORMATION



- A. Battery acid must be handled with great care as it will blister the skin and damage clothing. It is advisable to wear goggles, rubber gloves, and a protective apron when working with it.
- B. If for any reason acid should be spattered in the eyes, wash it out immediately with clean cold water. Seek medical aid if discomfort continues.
- C. If acid gets on clothes, dilute it with clean water first, then neutralize with dilute ammonia water or a water solution of baking soda.
- D. Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding.



BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added)

- A. Keep sparks, flame, cigarettes away.
- B. Hydrogen gas is generated during charging and discharging.
- C. Ventilate when charging or using in enclosed space.

- D. When using a charger—to avoid sparks, NEVER connect or disconnect charger clips to battery while charger is turned on.
- E. Always shield eyes and protect skin and clothing when working near batteries.

ACTIVATING THE BATTERY



If your battery is activated (electrolyte in the battery) and installed in the unit, go directly to step 9.

1. Place the battery to be filled on a workbench. Never activate a battery in the unit.
2. Remove the fill caps from all cells.
3. Fill each cell carefully using 1.265 specific gravity electrolyte. Fill each cell to the top of the separators. Do not overfill.
4. Let the battery sit for 20 minutes to allow the chemical reaction to take place.
5. Charge the battery at a MAXIMUM RATE OF 5 AMPS. until the specific gravity reads 1.265. Use a hydrometer to check the specific gravity.



An excessive rate of charge will damage the battery.

6. Check the level of electrolyte. Adjust level to bottom of split ring if necessary with electrolyte.
7. Replace fill caps.
8. Once the battery has been activated, never add anything except distilled water or a good grade of drinking water.

9. If your battery has been installed in your unit at the factory:

- A. Use a hydrometer to check the specific gravity. The specific gravity should be 1.265 at 80° F.
- B. If it is less, remove the fill caps and use a battery charger to bring the specific gravity up to 1.265. **NEVER CHARGE AT MORE THAN 5 AMPS.**
- C. Replace the fill caps.
- D. The positive cable has been attached to the positive terminal of the battery at the factory. You only have to attach the negative cable (grounded) to the negative (Neg, N or -) terminal of the battery with a hex head bolt, lock washer and nut.

MAINTENANCE OF BATTERY

1. Check electrolyte level periodically (at least every two weeks). Keep the level to the split rings. Use only distilled water or a good quality drinking water. Never add acid or any other chemicals to the battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, the battery should be recharged. Maximum charge rate 5 AMPS.
3. Coat the terminals and exposed wire with a thin coat of grease or petroleum jelly for longer service and protection against corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.
5. Avoid tipping the battery. Even a "sealed" battery will leak electrolyte when tipped.

STORAGE OF THE BATTERY

1. Store the battery in the unit.
2. Keep the exterior of the battery clean, especially the top. A dirty battery will discharge itself.
3. Check the battery with a hydrometer. The battery must be stored with a full charge. A discharged battery will freeze.

Specific Gravity	Freezing Point
1.265	-71° F.
1.250	-62° F.
1.200	-16° F.
1.150	5° F.
1.100	16° F.



All batteries discharge during storage.

4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service or every two months, whichever comes first.

COMMON CAUSES FOR BATTERY FAILURE

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and/or corroded connections.
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte



These failures do not constitute warranty.

BATTERY REMOVAL OR INSTALLATION



When removing the battery, follow this order of disassembly to prevent your wrench from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the **FRAME OF THE UNIT WITH THE DEAD BATTERY.**



Failure to use this starting procedure could cause sparking, and the gases in either battery could explode.

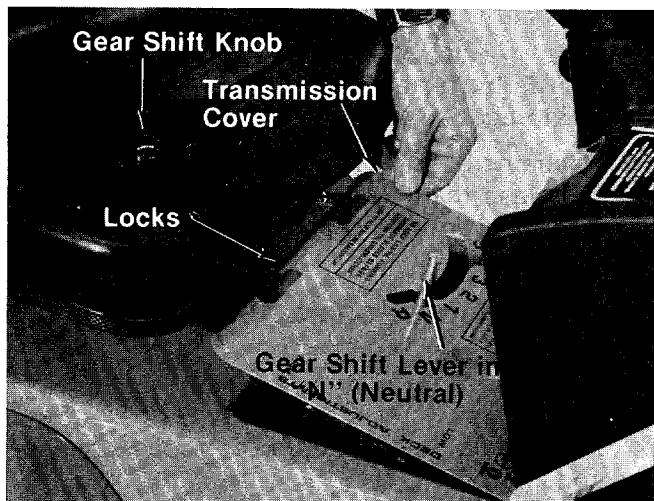


FIGURE 8.

INSTALLING THE BATTERY

1. Place the shift lever in the "N" (neutral) position. Remove the gear shift lever knob. See figure 8.
2. Push down and turn the locks on the transmission cover. See figure 8.
3. Lift out the transmission cover. See figure 8.

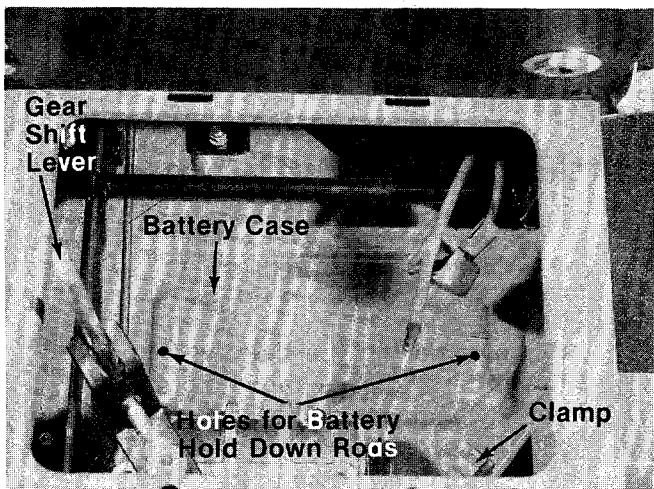


FIGURE 9.

4. Move the shift lever all the way to the left. See figure 9.



Figure 9 shows the battery case, two holes for battery hold down rods and rubber tubing clamp. We are calling these items to your attention before the battery is in place.

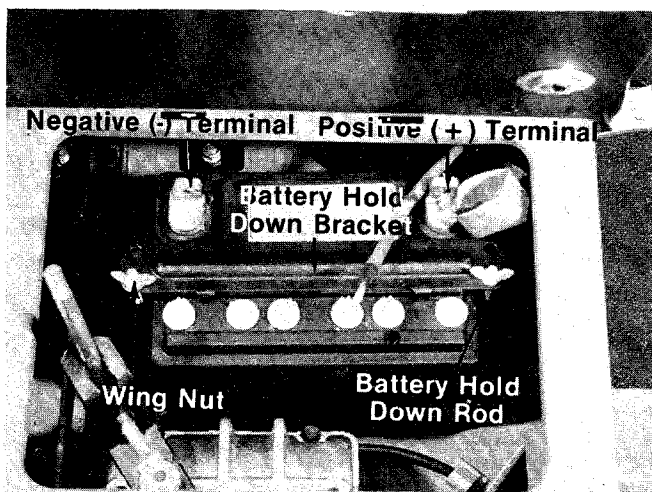


FIGURE 10.

5. Place the battery with the terminals to the front in the battery case (positive terminal to the right). See figure 10.
6. Hook the battery hold down rods in rider frame. While holding rods with one hand, place battery hold down bracket over battery and start plastic wing nut. See figure 10.
7. Repeat the above on the other side. Tighten both wing nuts securely. See figure 10.

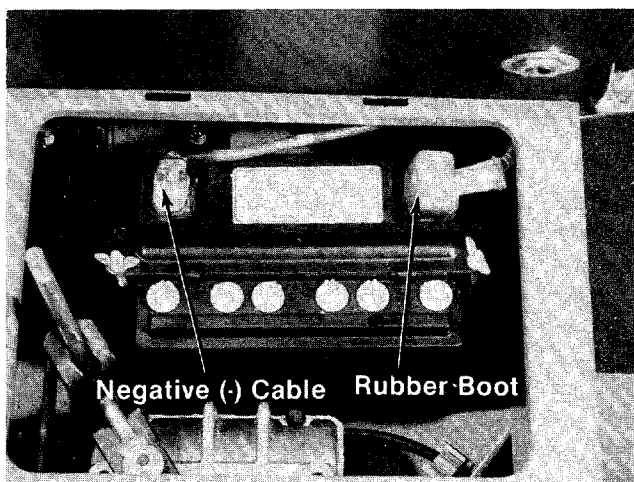


FIGURE 11.

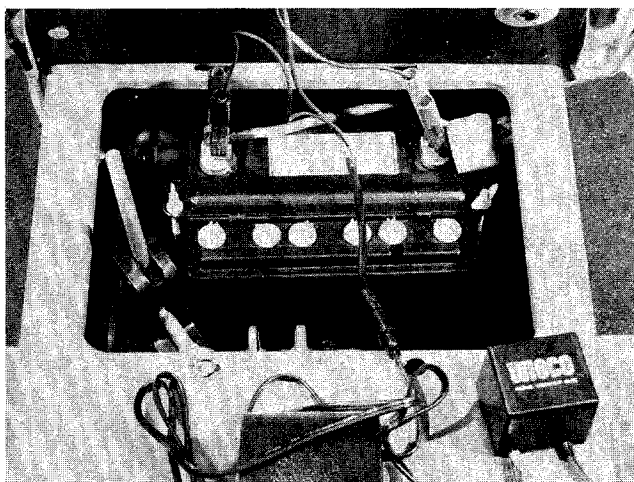


FIGURE 12.

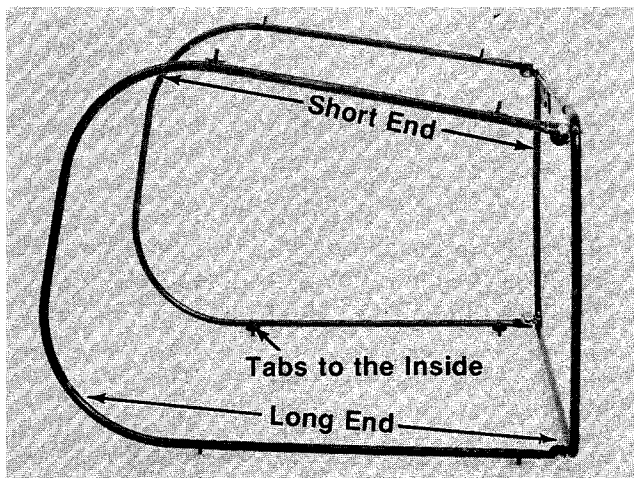


FIGURE 13.

8. Fasten the positive cable (cable with rubber boot) to the positive terminal. Secure with hex screw (H), lock washer (I) and hex nut (J). See figure 11.
9. Fasten the negative cable to the negative terminal. Secure with hex screw (H), lock washer (I) and hex nut (J). See figure 11.
10. Move the gear shift lever to the center of rider and replace the transmission cover. Replace the gear shift knob.

NOTE

Your rider is provided with its own charger. Clip the **RED** wire on the positive terminal. Clip the **BLACK** wire on the negative terminal. Plug charger lead into battery charger and plug the battery charger into a household outlet (110 volt AC). See figure 12.

Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.

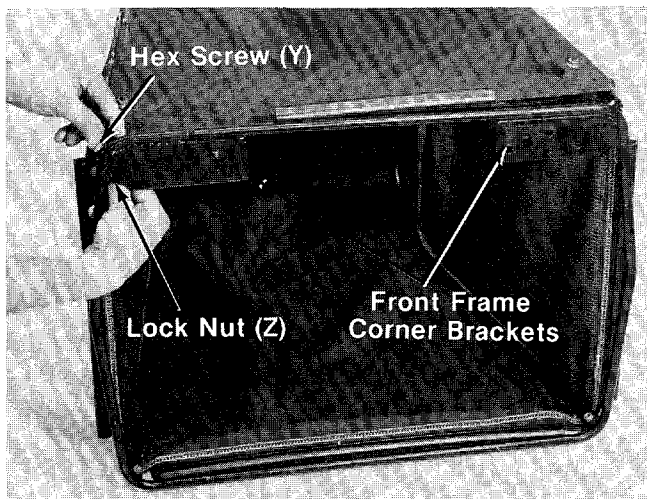
The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

ASSEMBLY OF GRASS CATCHER

NOTE

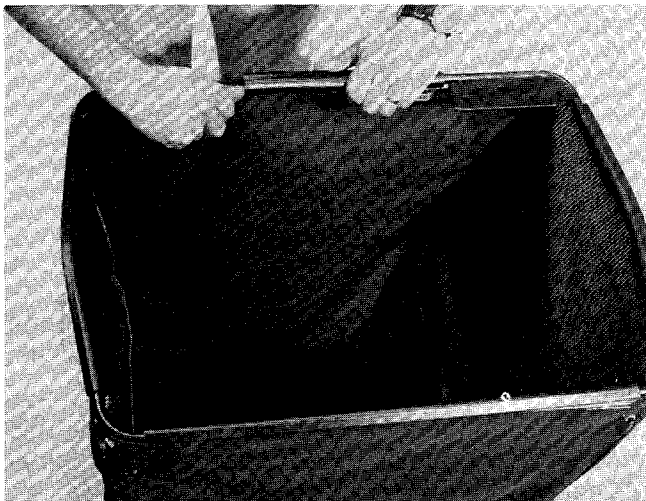
Figure 13 was photographed without the grass bag for clarity.

1. Place the right and left hand frame sides (AC) into the grass bag (AD). The long end of side frame goes to the bottom of the bag.
2. Place the weld bolts on side frames through the eyelets in bag.



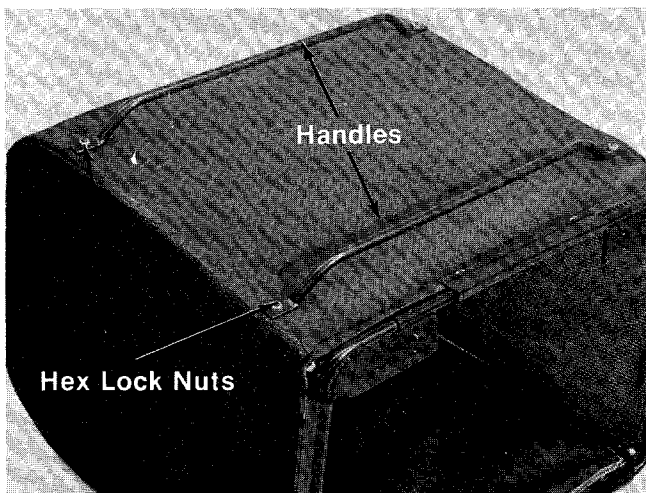
3. Bolt the front frame assembly (corner brackets to the top) to the side frames with four hex screws (Y) and hex lock nuts (Z). See figure 14.

FIGURE 14.



4. Snap the plastic edge of grass bag over frame. See figure 15.

FIGURE 15.



5. Place the grass catcher top side up. Place two handles (AH) in position and secure with four hex lock nuts (Z). See figure 16.

FIGURE 16.

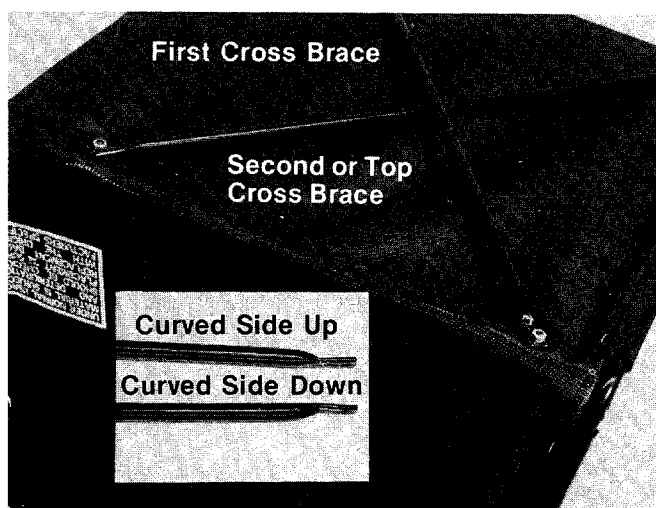


FIGURE 17.

6. Turn the grass catcher over bottom side up. Place the cross braces (AG) in position as shown in figure 17. Please note first brace will have the curved side down. The top brace will be positioned with the curved side up. See figure 17.

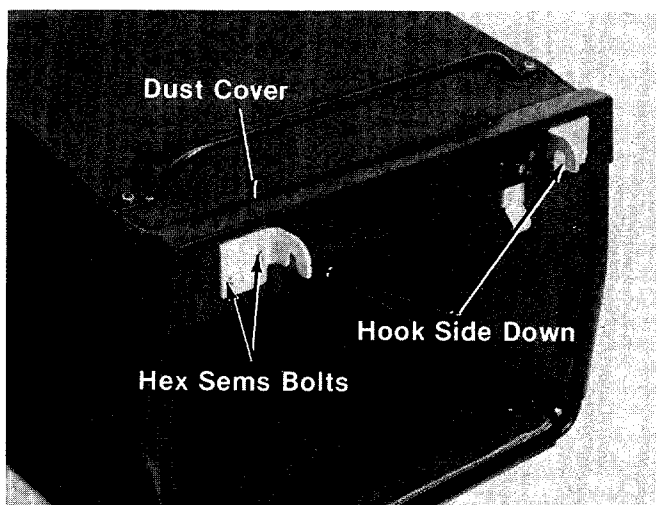


FIGURE 18.

7. Place dust cover (AF) in position on top front of catcher. Place right and left hand hinges (U) in position and secure with hex sems bolts (V), lock washers (W) and hex nuts (X). See figure 18.

HINT: Hinges will only match the hole pattern one way (hook down).

Only make bolts finger tight at this time.

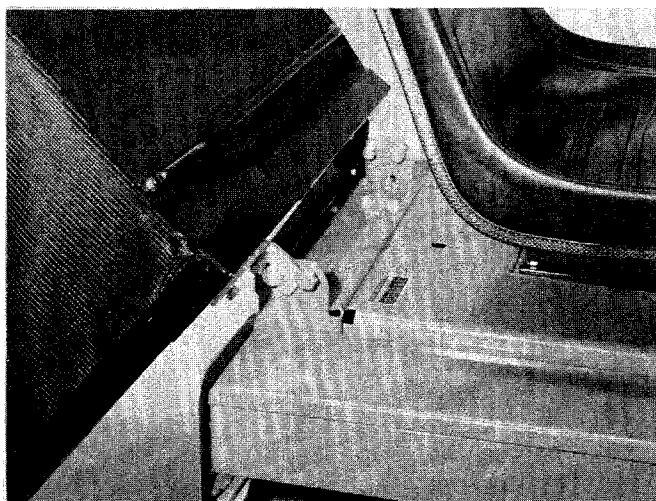


FIGURE 19.

8. Assemble the grass catcher to riding mower. See figure 19.

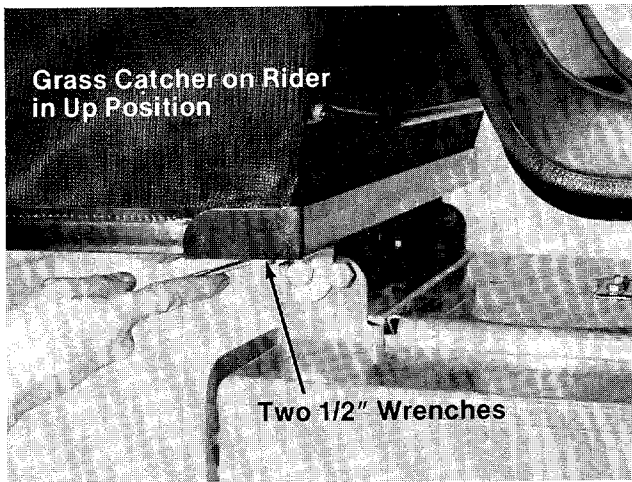


FIGURE 20.

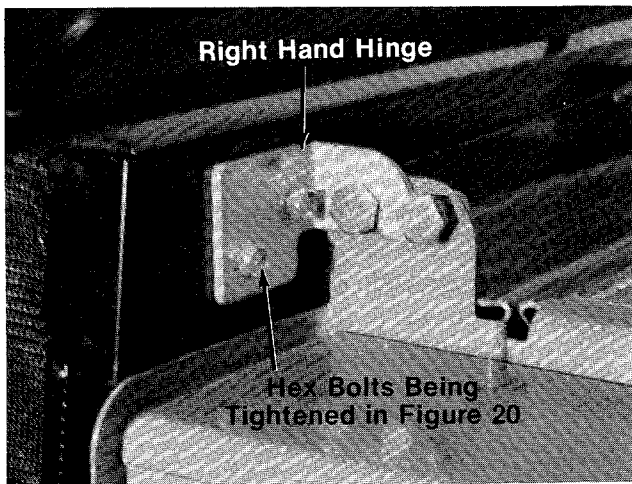


FIGURE 21.

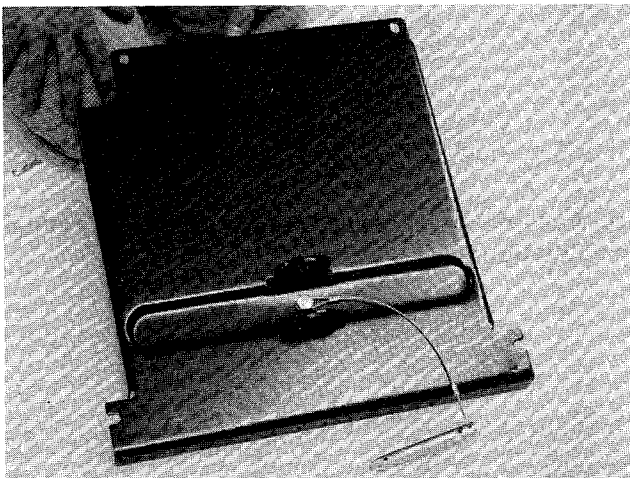


FIGURE 22.

9. Lift the grass catcher all the way up. Have someone hold grass catcher up or block up. Then with two 1/2" wrenches, tighten hinge brackets bolts securely. See figures 20 and 21.

ASSEMBLY OF HITCH PLATE

The hitch plate is used in place of the grass catcher when towing a trailer.

1. Remove the grass catcher.
2. Place the hitch bracket through the hitch plate. Secure with hex bolt (O), lock washers (P) and hex nut (Q).



Attach the looped end of hitch pin (S) under head of bolt. See figure 22.

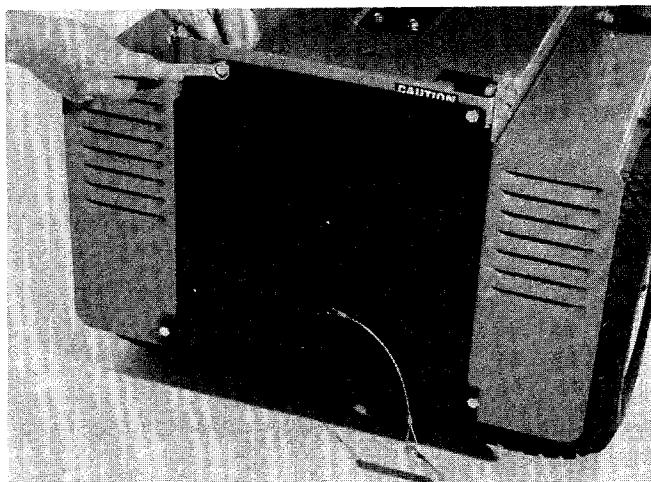


FIGURE 23.

3. Place the rear hitch plate against the discharge opening of the rider. Attach with four 5/16" screws, lock washers and nuts. See figure 23.

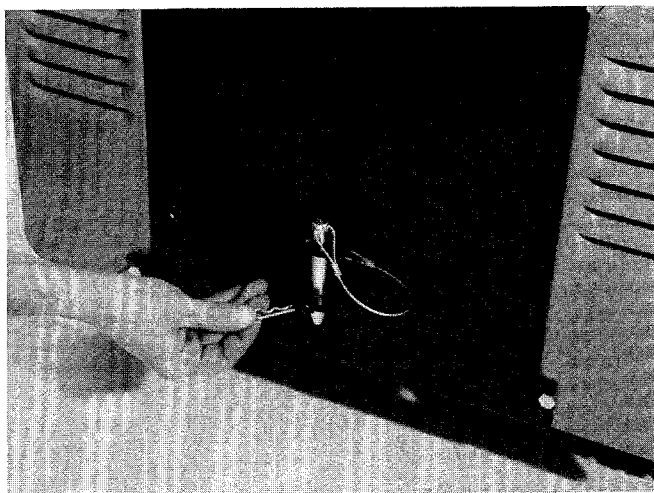


FIGURE 24.

4. Use the hitch pin to secure your attachments to the rider. See figure 24.

OPERATION

CAUTION

1. KEEP ALL SHIELDS & GUARDS IN PLACE
2. BEFORE LEAVING OPERATOR'S POSITION:
SHIFT CONTROLS INTO NEUTRAL
SET PARKING BRAKE
DISENGAGE ATTACHMENT DRIVE
SHUT ENGINE OFF
REMOVE IGNITION KEY
3. WAIT FOR ALL MOVEMENT TO STOP BEFORE
SERVICING MACHINE
4. KEEP PEOPLE & PETS A SAFE DISTANCE
AWAY FROM MACHINE

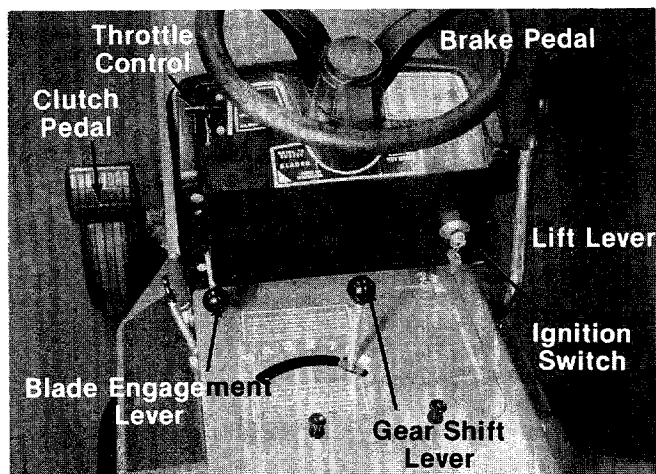


FIGURE 25A. Model 130-525A

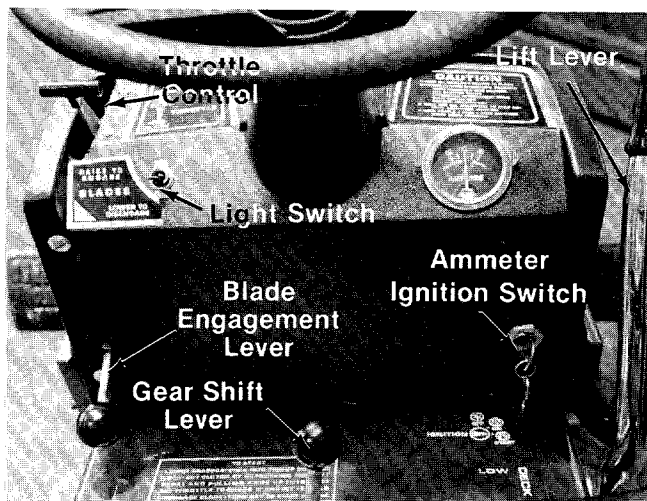


FIGURE 25B. Model 130-526A

Throttle Control

The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from 3/4 to full throttle when operating the cutting deck or snow thrower. See figure 25.

Ignition Switch

The ignition switch is located on the right side of the dashboard. Turn the key to the START position to start the engine. When the engine is running, leave the key in the ON position. To stop the engine, turn the key to the OFF position.



CAUTION

Remove the key from the riding mower when the mower is not in use to prevent accidental starting.

Ammeter (Model 130-526A Only)

The ammeter registers the rate of battery charge or discharge. The ammeter should register about 3 amps on the plus (+) side with the engine running fast. The head lamps operate directly from the engine and do not register on the ammeter. See figure 25B.

Battery Charger

See page 9 of this manual for battery charger operation.



NOTE

The battery charger may be equipped with a circuit breaker. If battery charger fails to work the first time, wait at least three minutes, then try again.

Safety Interlock System

A series of electric switches are used to insure that the clutch is disengaged and the cutting blade is shut off before the engine can be started.

The safety interlock system has another switch located on the rear of the rider that is activated when the grass catcher is attached to the rider. If you remove the grass catcher or attempt to dump the grass without shutting off the blade, the engine will stop.

Light Switch (Model 130-526A Only)

To turn on the head lamps, push the switch marked "Lights" located on the left side of the dashboard. See figure 25B.



NOTE

The head lamps operate directly from the alternator and only operate when the engine is running.

Gasoline Gauge

The gasoline gauge is located in the gasoline fill cap. The gauge indicates the amount of fuel in the tank.

Clutch Parking Brake Pedal

The clutch parking brake pedal is located on the left side of the rider and is used to disengage the drive mechanism. Depressing the clutch parking brake pedal will disengage the drive and APPLY THE DISC BRAKE TO THE REAR WHEELS. The clutch parking brake pedal must be depressed when you come to a stop, shift gears or start the engine. See figure 26.

Clutch Parking Brake Lock

When the clutch parking brake pedal is depressed all the way, it can be locked in the disengage position by lifting up the lock button. To release, depress the pedal. See figure 27.

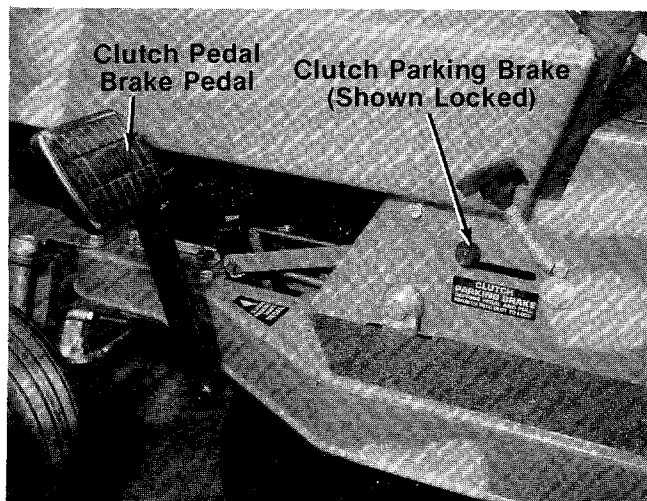


FIGURE 26.

Brake Pedal

The brake pedal is located on the right side of the mower and is operated by depressing it with your right foot. When coming to a complete stop, it is necessary to depress both the clutch parking brake and the brake pedals. See figure 27.

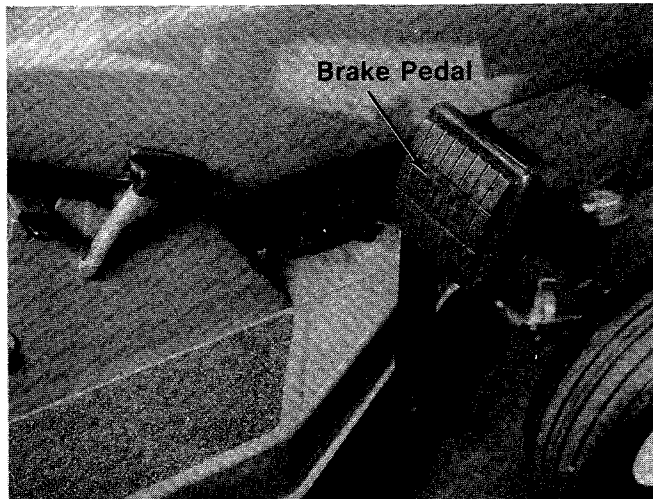


FIGURE 27.

Gear Shift Lever

The five speed transmission has five forward speeds, neutral and reverse. Do not shift normally through the gears on this transmission as in an automobile. Pre-select the gear appropriate for the job you are doing. The list can be used as a guide to select the proper gear. You must depress the clutch pedal when you stop and when you shift.

- 1st gear—Heavy Cutting
- 2nd gear—Medium Cutting
- 3rd gear—Medium Cutting
- 4th gear—Light Cutting
- 5th gear—Traveling
- Neutral
- Reverse

Cutting Height Adjustment

There are five cutting positions from 2 1/4" to 3 3/4". The lift lever raises and lowers the cutting deck. Use the stop to set the desired cutting height. See figure 28.

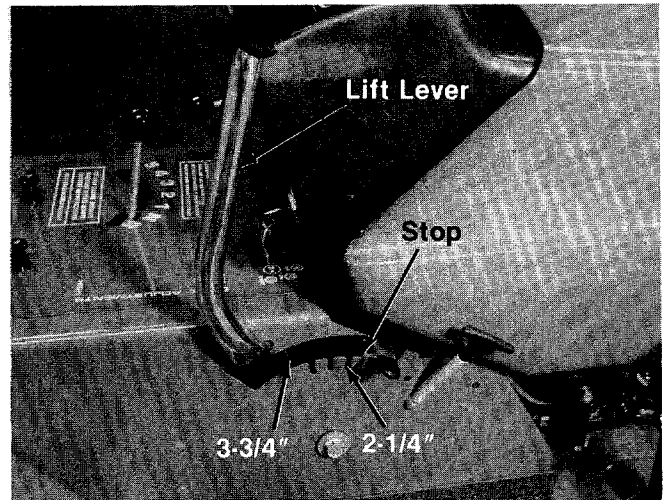


FIGURE 28.



CAUTION

The blade does not shut off when the deck is raised. You must place the Blade Engagement Lever in the raised (OFF) position.

Blade Engagement Lever

To engage the cutting blade, raise the Blade Engagement Lever up and to the left. It will lock in this position. To disengage the blade, move the Blade Engagement Lever to the right and lower it slowly. The blade must be shut off in order to start the engine or to dump the grass catcher. See figures 29 and 30.

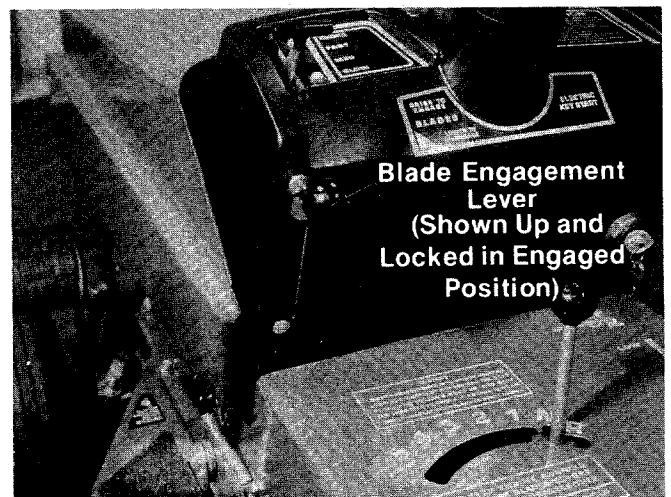


FIGURE 29.

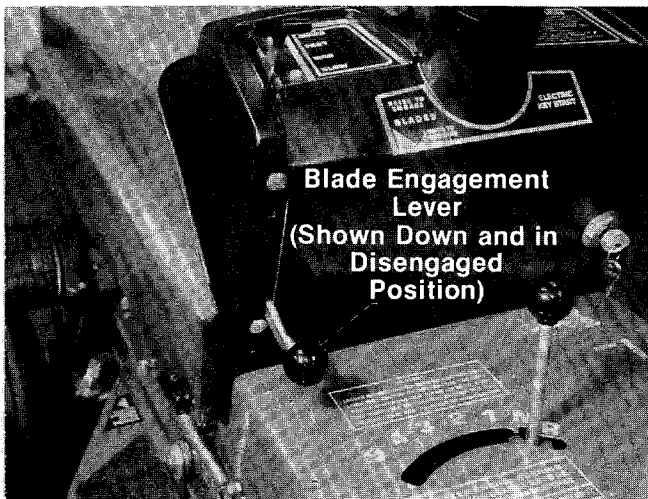


FIGURE 30.
Grass Catcher Operation



The grass catcher is a part of the riding mower. The riding mower should not be operated without the grass catcher in place.

The grass catcher can be removed to dump the clippings by grasping both handles and lifting the rear handle first to tip the catcher slightly, and then remove it completely. To attach, hook the hinges on the catcher over the REAR pins on the riding mower. See figure 31.

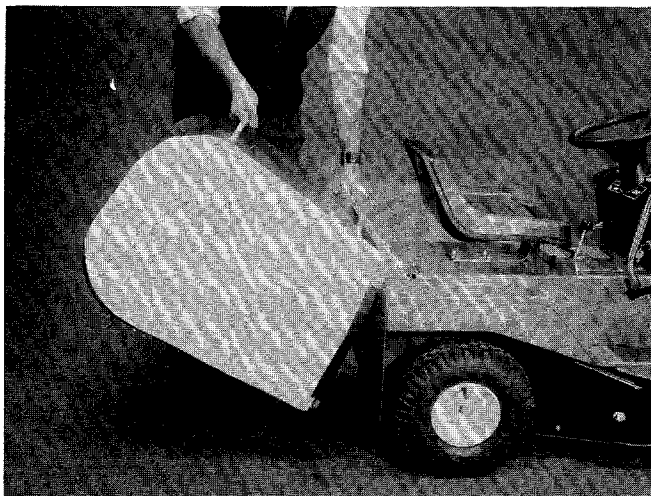


FIGURE 31.

To dump the grass, grasp the rear handle and pull it towards you. See figure 32.



CAUTION

The Blade Engagement Lever must be in the disengaged position or the engine shut off before dumping or removing the grass catcher.

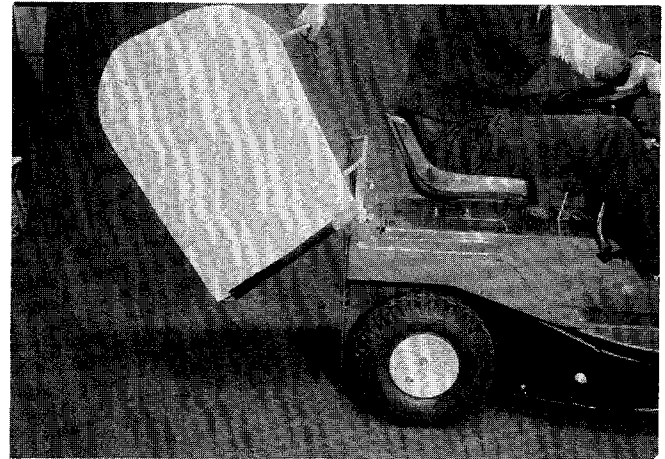


FIGURE 32.



IMPORTANT

After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.



NOTE

Under normal usage the grass catcher is subject to wear, and should be checked periodically. Be sure any replacement complies with the mower manufacturers recommendation.

MAINTENANCE

SPECIFICATIONS:

(Lubricate once a season or after every 25 hours of operation)

Oil—Use SAE 30 or equivalent.

Grease—Use automotive multi-purpose grease, except in the differential and transmission.

Grease (Transmission and Differential)—Use E.P. Lithium grease.

NOTES:

When operating in sandy areas, do not oil the bearings.

Ball joints, idler bearings and tie rod ends require no lubrication.

Oil all linkage (clutch, deck, etc.) as required.

Engine—Remove oil fill plug and add oil until it is full to point of overflowing. Above Freezing Temperature, use oil with viscosity grade SAE 30, or SAE 10W-30 or SAE 10W-40.

Below Freezing Temperature, use oil with viscosity grade SAE 5W-20, or SAE 5W-30 or SAE 10W.

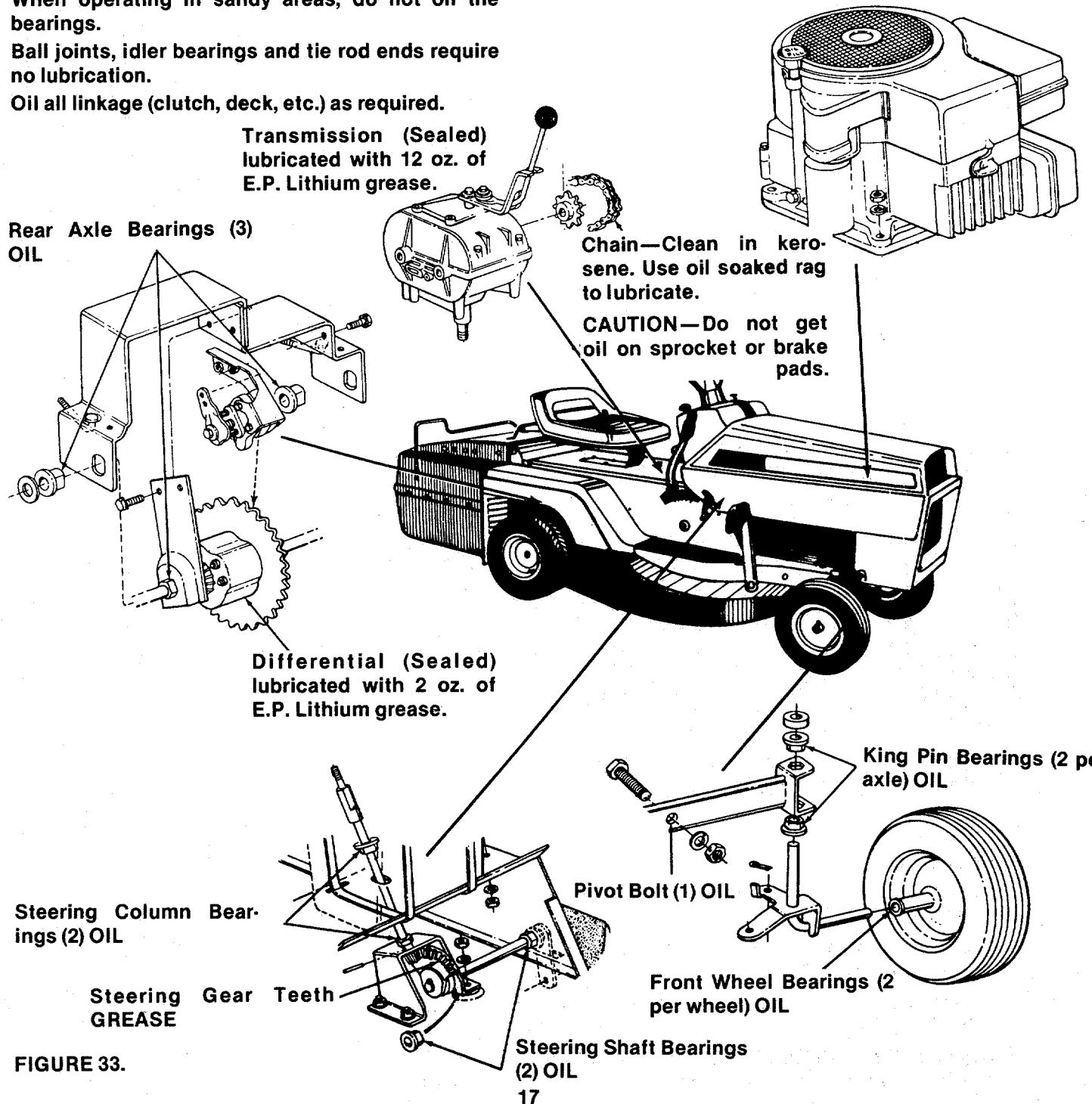


FIGURE 33.

PREPARING FOR BELT REMOVAL



WARNING

Disconnect the spark plug wire and ground it against the engine.

1. To prevent gasoline from leaking from the engine, remove the gasoline cap, place a piece of plastic film on the neck of the gasoline tank and screw on the cap.
2. Close the fuel shut-off valve located under the gasoline tank. See figure 34.
3. Remove the grass catcher.
4. Remove the battery.
5. Depress the clutch and lock it.
6. Lift the front end of the rider up and rest it on the rear frame. It will balance in this position.
7. Do not leave the mower in this position any longer than necessary as oil may get into the cylinder head. If this occurs, remove the spark plug and crank the engine to clear the oil.

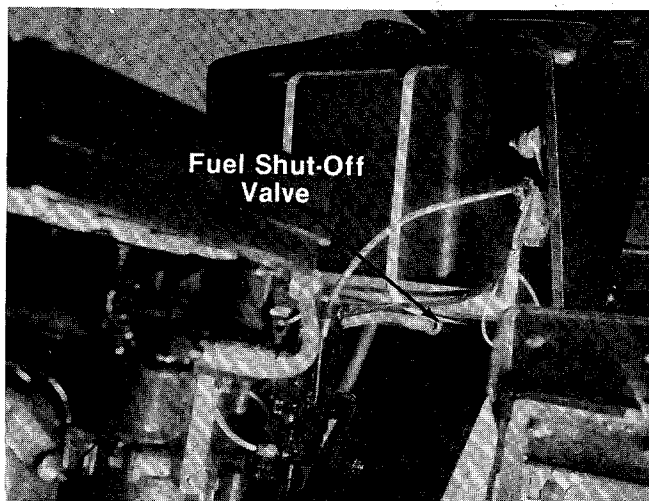


FIGURE 34.

Deck Belt Removal

1. Place the Blade Engagement Lever in the disengagement position.
2. Remove the two shoulder bolts by the engine pulley. See figure 35.
3. Remove the belt keeper on the cutting deck. See figure 36.
4. Remove the nut from the idler on the cutting deck and remove the idler. See figure 36.

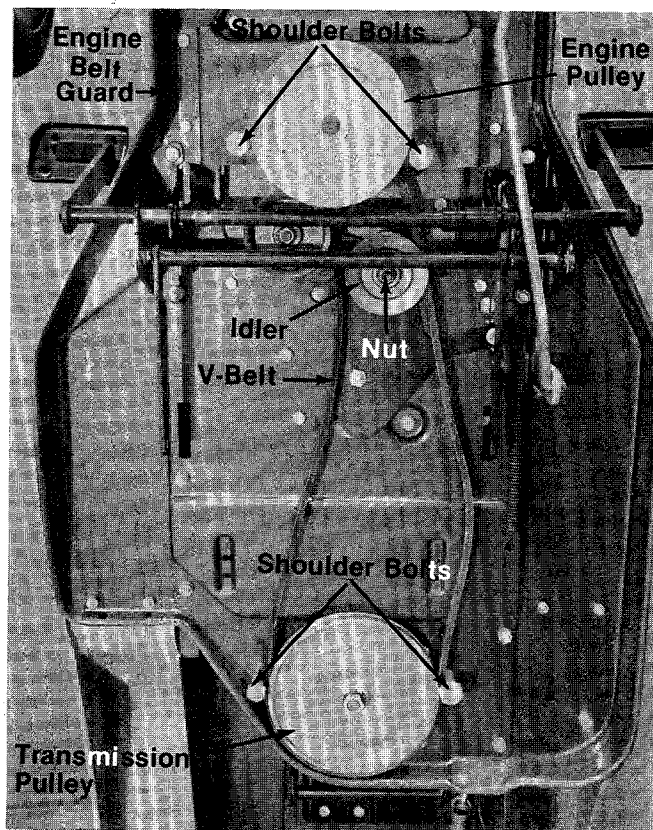


FIGURE 35.



NOTE

The long side of the hub on the V-idler goes towards the deck.

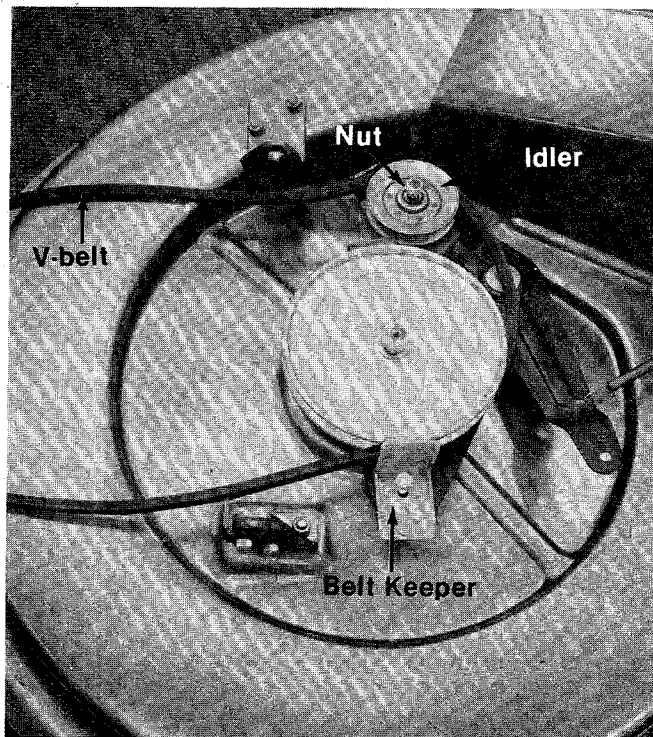


FIGURE 36.

5. Remove the two shoulder bolts from the engine pulley. See figure 35.
6. Remove the belt from the engine pulley.
7. Depress the clutch pedal and lock it in the disengaged position.
8. Remove the engine belt guard. See figure 35.
9. Remove the nut on the V-idler and slide the idler off the bracket. See figure 35.

➡ NOTE

The long side of the hub on the idler goes towards the frame.

10. Remove the two shoulder bolts by the transmission pulley. See figure 35.
11. Remove the nut on the transmission pulley and remove the pulley.

➡ NOTE

The short side of the hub on the pulley goes towards the frame.

12. Remove the belt and reassemble with a new belt.

Cutting Blade

The blades may be removed for sharpening or replacement as follows:

1. Remove the large bolt and lock washer holding the blade and adapter to the blade spindle. See figure 37.

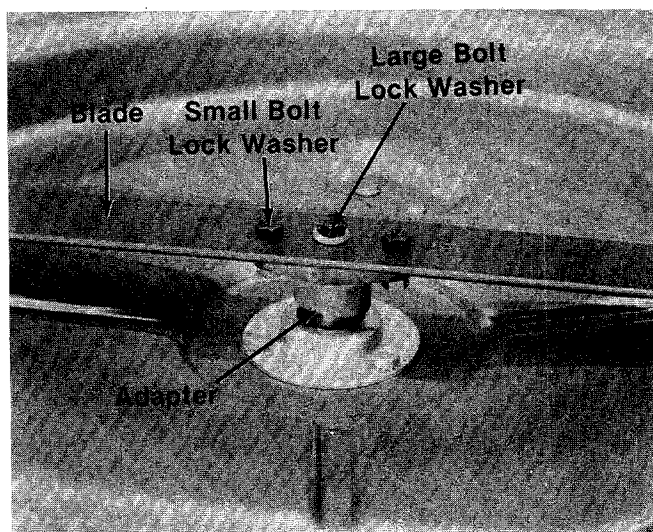


FIGURE 37.

2. Remove the blade and adapter from the blade spindle.
Be careful not to lose the key on the spindle.
3. Remove the two smaller bolts, lock washers and nuts holding the blade to the adapter.

When sharpening the blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

When replacing the blade, be sure the side of the blade marked "Bottom" or having the part number is facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.

5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

Chain Adjustment

After the first five hours of operation the initial slack should be removed from the chain. The chain should be tight enough so that it deflects approximately 1/2 inch when it is depressed with the thumb.

1. To tighten the chain, loosen the two nuts on each side of the frame holding the differential bracket to the frame. See figure 38.

➡ NOTE

These are located under the frame.

2. Tighten the adjusting nuts as shown in figure 38 until you have the proper tension.
3. Tighten the nuts holding the differential bracket to the frame.

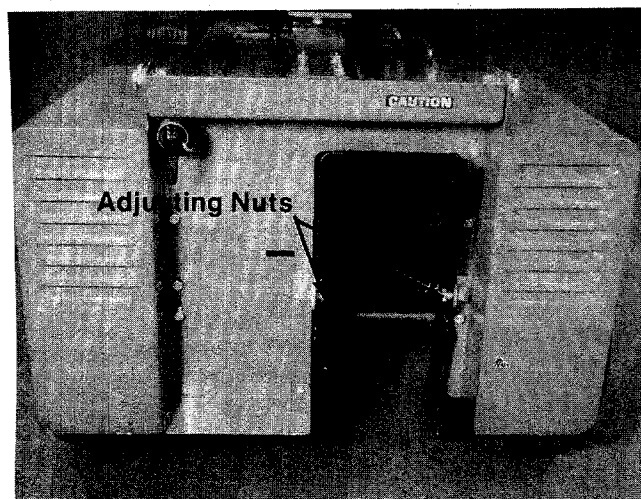


FIGURE 38.

Brake Adjustment

To adjust the brake, tighten the lock nut one half turn and then test the brake. The brake stops the rider by gripping the sprocket on the rear axle. See figure 39.

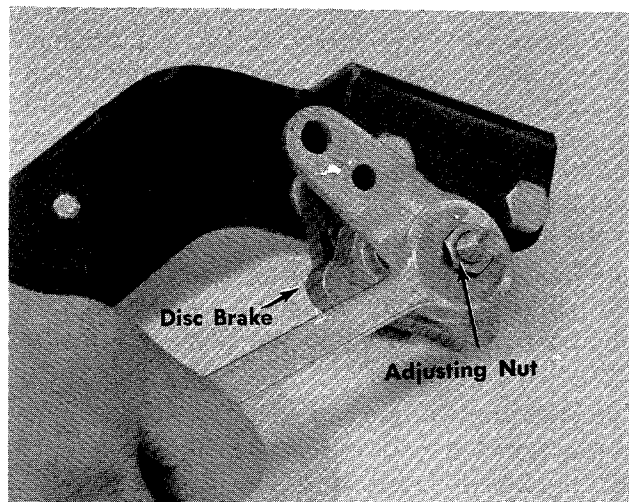


FIGURE 39.

Wheel Alignment

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the mower. The front wheels should toe-in 1/8 inch. See figure 40. To adjust, follow these steps:

1. Remove the cotter pin holding the ferrule to the axle bracket. See figure 40.

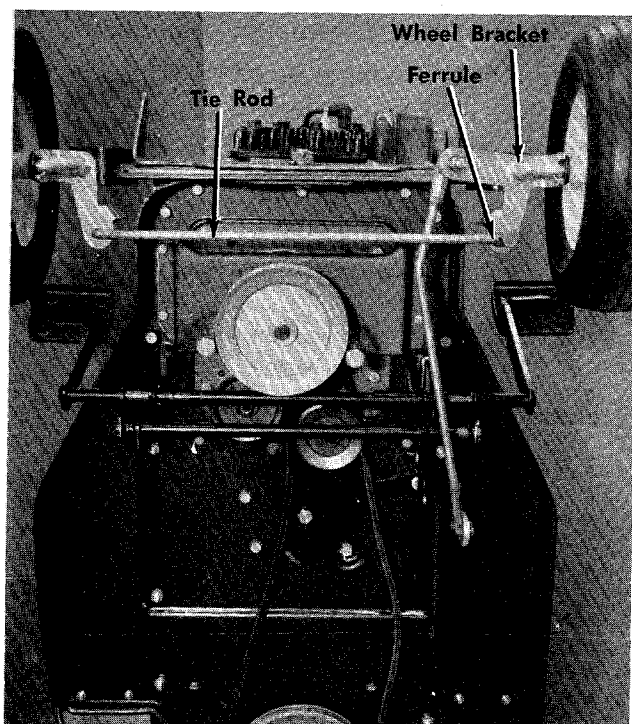


FIGURE 40.

2. Adjust the ferrule in or out until the wheels toe-in approximately 1/8".
3. Replace the ferrule into the wheel bracket and replace the cotter pin.

Fuel Shut-Off Valve and Filter

The valve and filter is located on the bottom of the gasoline tank. Turn the valve knob in to shut off the fuel flow. Turn the valve knob out to operate the rider.

The entire valve can be pulled out to clean the filter. When reassembling, place the grommet into the gasoline tank first. Then push the valve all the way in. See figure 41.



Be careful not to damage the filter screen on the valve.

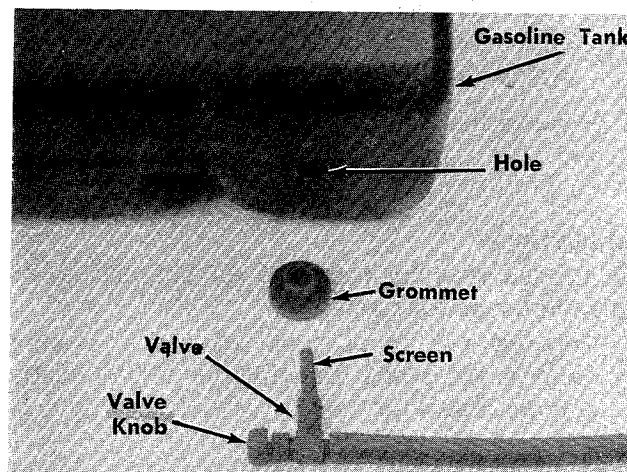


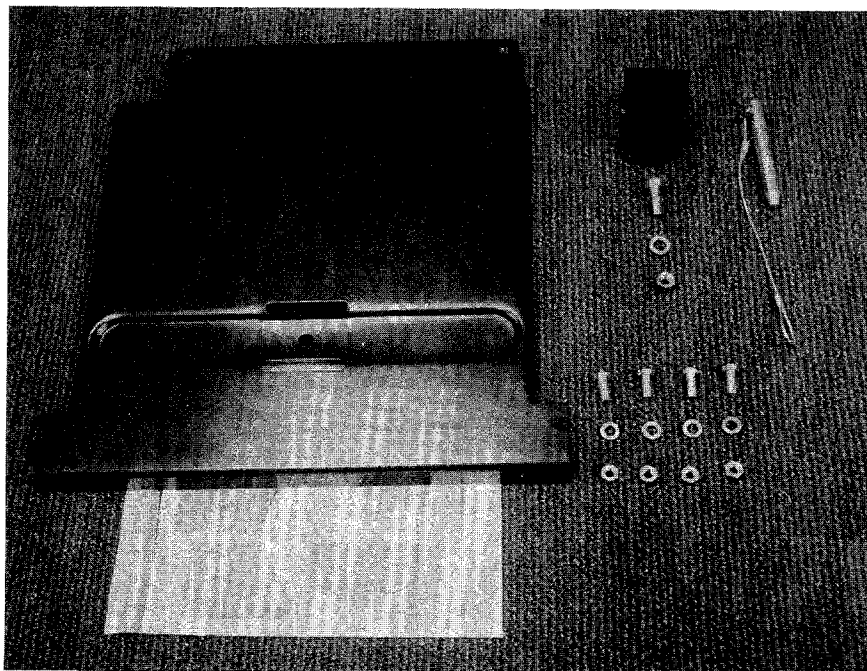
FIGURE 41.



WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

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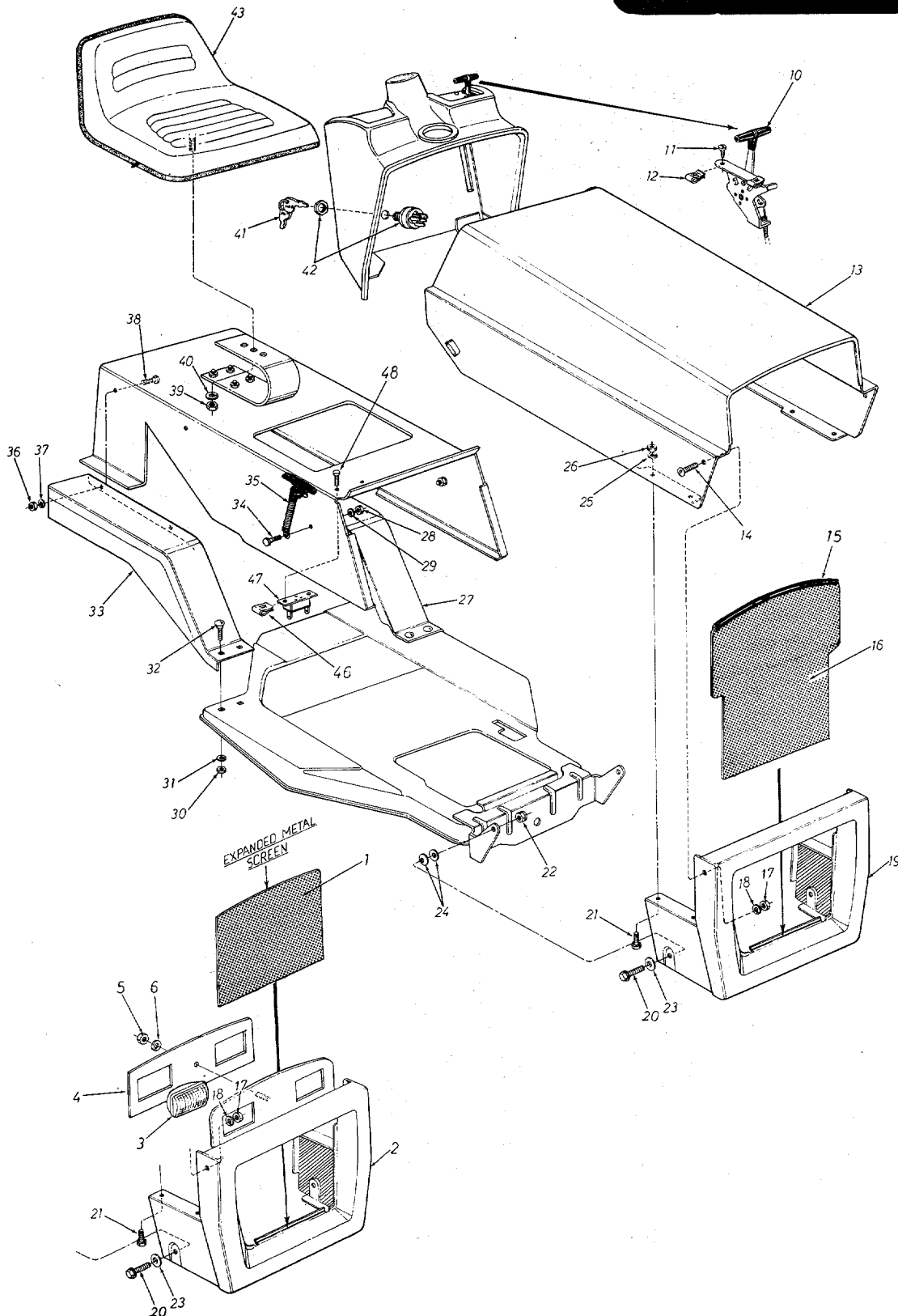
PARTS LIST FOR MODELS 130-525A AND 130-526A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	12896		Hitch Plate	
2	12895		Hitch Bracket	
3	09389		Hitch Pin	
4	710-0253		Hex Scr. 3/8-16 x 1" Lg.*	
5	736-0169		L-Wash. 3/8" Scr.*	
6	712-0798		Hex Nut 3/8-16 Thd.*	
7	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
8	736-0119		L-Wash. 5/16" Scr.*	
9	712-0267		Hex Nut 5/16-18 Thd.*	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

130-525A 130-526A

IF YOU WRITE TO US ABOUT THIS ARTICLE
OR IF YOU ORDER REPLACEMENT PARTS AL-
WAYS MENTION THIS MODEL & SERIAL NO
MODEL



PARTS LIST FOR MODELS 130-525A AND 130-526A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	12903		Screen—Grille (526A)		25	736-0329		L-Wash. 1/4" Scr.*	
2	12901	—462	Grille Ass'y. (526A)		26	712-0287		Hex Nut 1/4-20 Thd.*	
3	725-0417		Head Light (526A)		27	12715	—462	Fender Ass'y. L.H.	
4	10795		Head Light Retainer (526A)		28	712-0287		Hex Nut 1/4-20 Thd.*	
5	712-0121		Hex Nut #10-24 Thd.		29	736-0329		L-Wash. 1/4" Scr.*	
6	736-0722		L-Wash. #10 I.D.		30	712-0287		Hex Nut 1/4-20 Thd.*	
10	746-0127		Throttle Control Ass'y.		31	736-0329		L-Wash. 1/4" Scr.*	
			Comp. 14.0" Lg.		32	710-0134		Carriage Bolt 1/4-20 x .62" Lg.*	
11	710-0351		Truss Hd. Mach. B-Tapp.		33	12712	—462	Fender Ass'y. R.H.	
			Scr. #10 x .50" Lg.		34	710-0258		Hex Scr. 1/4-20 x .62" Lg.*	
12	712-0344		Speed Nut 10Z "U"-Type		35	723-0296		Hood Lock Ass'y.	
13	12451	—462	Hood—Front		36	712-0121		Hex Nut 10-24 Thd.*	
14	710-0286		Truss Hd. Mach. Scr. 1/4-20 x .50" Lg.*		37	736-0147		Wash. #10 Scr. Ext.*	
15	731-0130		Extruded "U"-Channel 22.50" Lg. (525A)		38	710-0425		Truss Hd. Mach. Scr. 10-24 x .62" Lg.*	
16	12475		Screen—Grille (525A)		39	712-0206		Hex Nut 1/2-13 Thd.*	
17	712-0287		Hex Nut 1/4-20 Thd.*		40	736-0921		L-Wash. 1/2" Scr.*	
18	736-0329		L-Wash. 1/4" Scr.*		41	725-0201		Ignition Key	
19	12456	—462	Grille Ass'y. (525A)		42	725-0267		Ignition Switch	
20	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*		43	757-0264		Seat Ass'y.—Comp.	
21	710-0211		Hex Sems Scr. 1/4-20 x .62" Lg.*		46	726-0156		Speed Nut 10-24	
					47	725-0459		Circuit Breaker	
22	712-0375		Hex Cent. L-Nut 3/8-16 Thd.		48	710-0425		Truss Hd. Mach. Scr. #10-14 x .62" Lg.*	
23	736-0140		FI-Wash. .385 I.D. x .630 O.D. x .056						
24	736-0105		Bell-Wash. .400 I.D. x .88 O.D.						

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Red Flake Finish—12451 (462).)

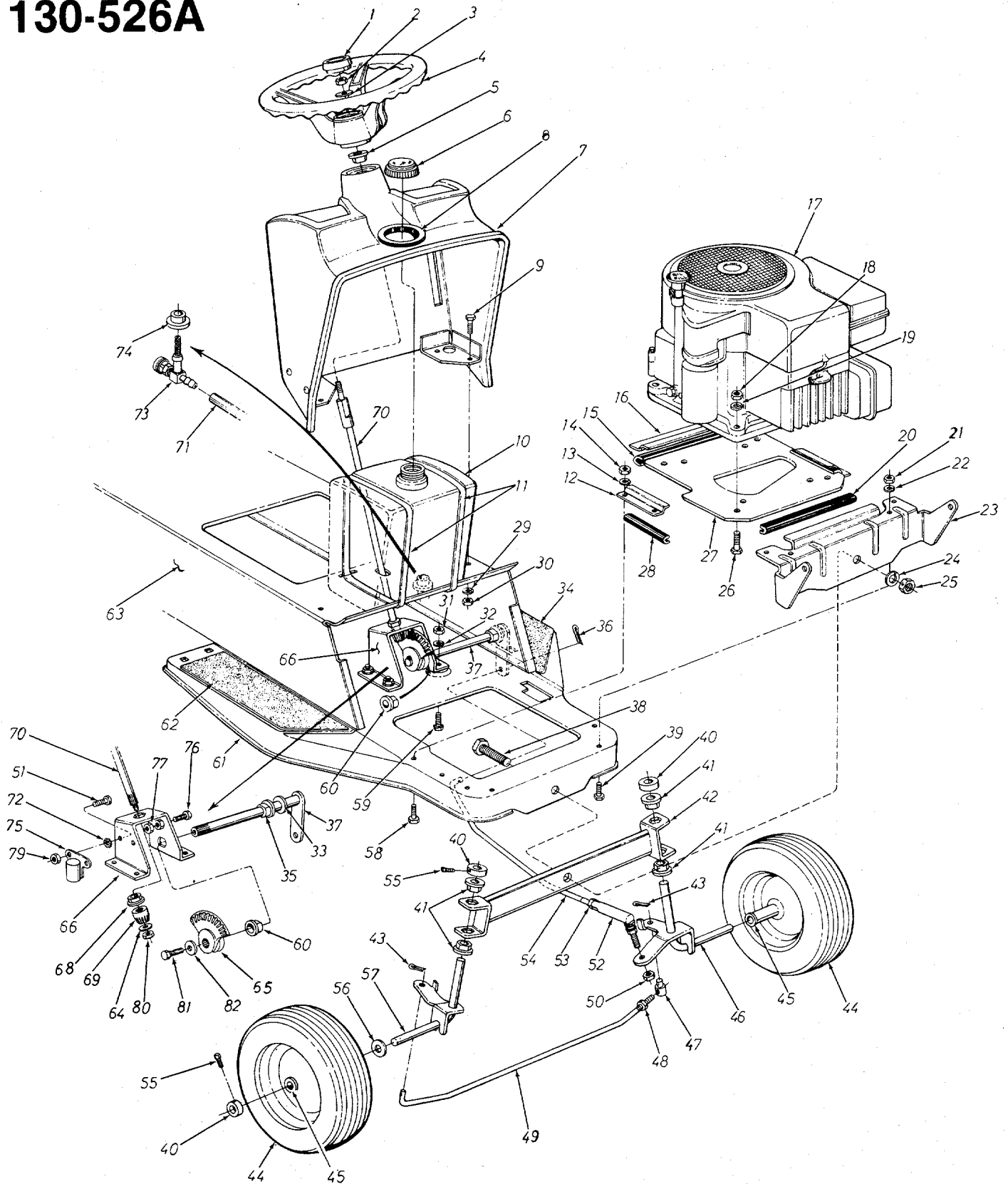
NOTE: The engine is not under warranty by the mower manufacturer . . . If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

130-525A 130-526A



PARTS LIST FOR MODELS 130-525A AND 130-526A

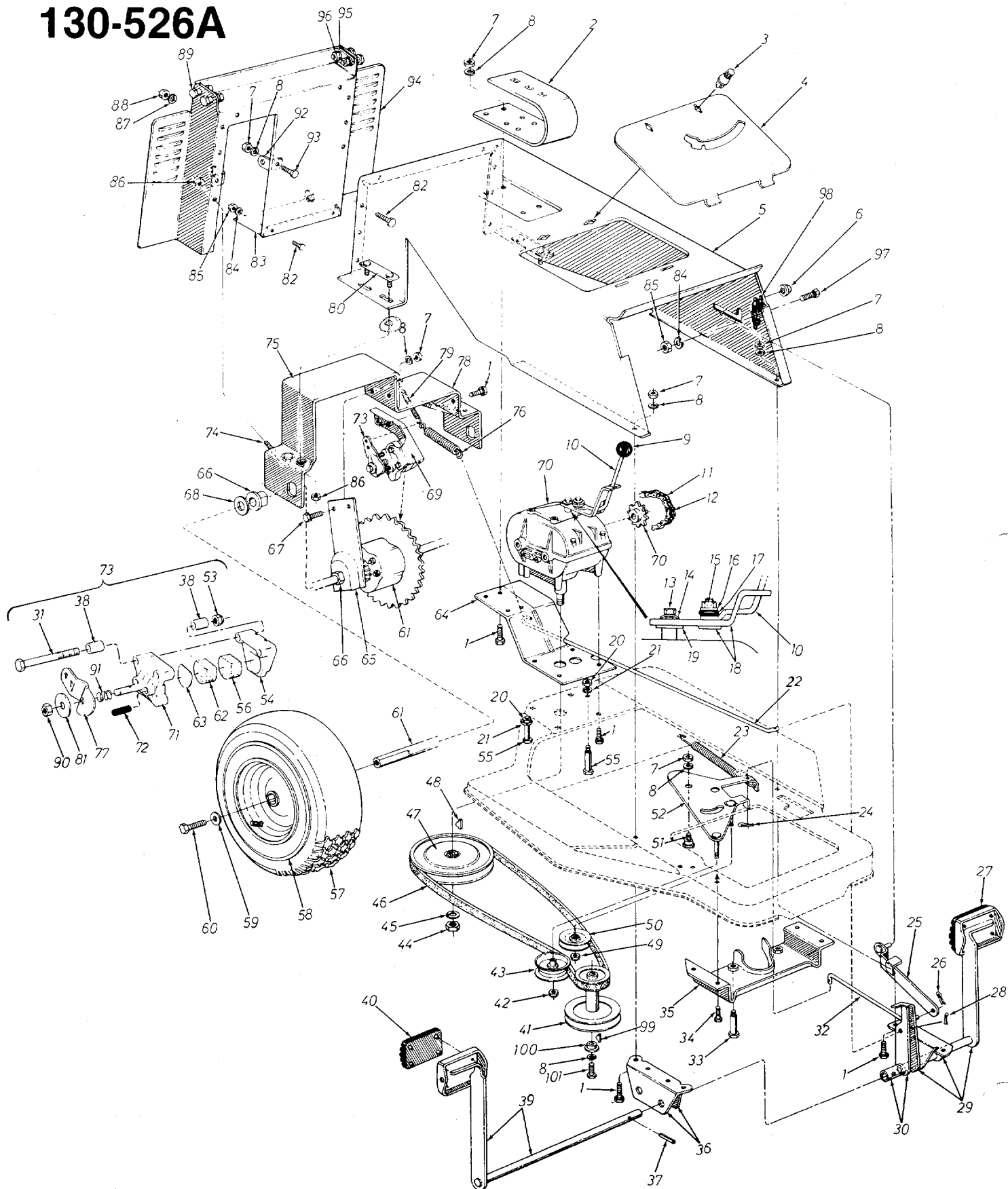
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap		41	748-0227		Hex Flange Bushing .62" I.D.	
2	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		42	13274	—462	Pivot Bar Ass'y.	
3	736-0242		Bell. Wash. .345 I.D. x .88 O.D.		43	714-0474		Cotter Pin 1/8" Dia. x .75" Lg.*	
4	731-0219		Steering Wheel		44	734-0949		Front Wheel Ass'y.—Comp. 11.0 x 4.0	
5	748-0227		Hex Flange Bushing .62" I.D.		45	741-0313		Hex Flange Bearing	
6	723-0155		Fuel Gauge—Cap		46	12491	—462	Front Axle Ass'y.—L.H.	
7	12602		Dash Panel Ass'y. (526A)		47	711-0198		Pivot Bushing	
	12909		Dash Panel Ass'y. (526A)		48	712-0711		Hex Jam Nut 3/8-24 Thd.*	
8	735-0179		Rubber Grommet (Fuel Tank Neck)		49	747-0144		Tie Rod	
9	710-0211		Hex Sems Scr. 1/4-20 x .62" Lg.*		50	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
10	751-0172		Fuel Tank		51	710-0289		Hex Scr. 1/4-20 x .50" Lg.*	
11	726-0153		Cable Tie (Fuel Tank)		52	723-0156		Ball Joint Ass'y.	
12	12505		Shock Brkt. 4.50" Lg.		53	712-0711		Hex Jam Nut 3/8-24 Thd.*	
13	736-0329		L-Wash. 1/4" Scr.*		54	747-0158		Drag Link	
14	712-0287		Hex Nut 1/4-20 Thd.*		55	710-0666		Sq. Hd. Set Scr. 5/16-18 x .38" Cup Point	
15	735-0176		Engine Mtg. Extrus. 9.25" Lg.		56	736-0156		Fl-Wash. .630 I.D. x 1.120 O.D. x .100	
16	12504		Shock Brkt. 10" Lg.		57	12492	—462	Front Axle Ass'y.—R.H.	
17	8 H.P.		Engine (B & S 190705-1131-01)		58	710-0211		Hex Sems Scr. 1/4-20 x .62" Lg.*	
18	712-0123		Hex Nut 5/16-24 Thd.*		59	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
19	736-0119		L-Wash. 5/16" Scr.*		60	741-0199		Flange Brg. w/Flats	
20	735-0177		Engine Mtg. Extrusion 7.00" Lg.		61	12600	—462	Front Frame Ass'y.	
21	712-0267		Hex Nut 5/16-18 Thd.*		62	723-0306		Foot Pad—R.H.	
22	736-0119		L-Wash. 5/16" Scr.*		63	12450	—462	Rear Frame	
23	12467	—462	Front Pivot Bracket		64	736-0264		Fl-Wash. 5/16" Scr.	
24	736-0158		L-Wash. 5/8" Scr.*		65	748-0236		Side Gear	
25	712-0923		Hex Cent. L-Nut 5/8-18 Thd.		66	12851		Steering Gear Support Ass'y.	
26	710-0158		Hex Sccr. 5/16-24 x 1.25 H.T.		68	748-0228		Hex Flange Bushing .50" I.D.	
27	12463		Engine Base Plate		69	748-0237		Pinion Gear	
28	735-0178		Engine Mtg. Extrusion 4.00" Lg.		70	738-0325		Steering Shaft	
29	736-0329		L-Wash. 1/4" Scr.*		71	751-0173		Hose 17" Lg. Clear	
30	712-0287		Hex Nut 1/4-20 Thd.*		72	736-0222		Ext. L-Wash. 1/4" Scr.*	
31	712-0267		Hex Nut 5/16-18 Thd.*		73	751-0171		Fuel Shut-Off Valve	
32	736-0119		L-Wash. 5/16" Scr.*		74	735-0149		Bushing—Fuel Tank	
33	736-0134		Fl-Wash. .812 I.D. x 1.38 O.D. x .100		75	725-0530		Solenoid	
34	723-0307		Foot Pad—L.H.		76	710-0670		Hex Scr. Nylon 3/8-16 x 1.25" Lg.	
35	741-0199		Flange Brg. w/Flats		77	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
36	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*		79	712-0287		Hex Nut 1/4-20 Thd.*	
37	12815		Steering Arm Ass'y.		80	712-0237		Hex Cent. L-Nut 5/16-24 Thd.	
38	710-0622		Hex Scr. 5/8-18 x 1.62" Lg.		81	710-0180		Hex Scr. 3/8-24 x .75" Lg.*	
39	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		82	736-0105		Bell. Wash.	
40	711-0169		Collar						

(462—Red Flake)

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Red Flake Finish 12600 (462).)

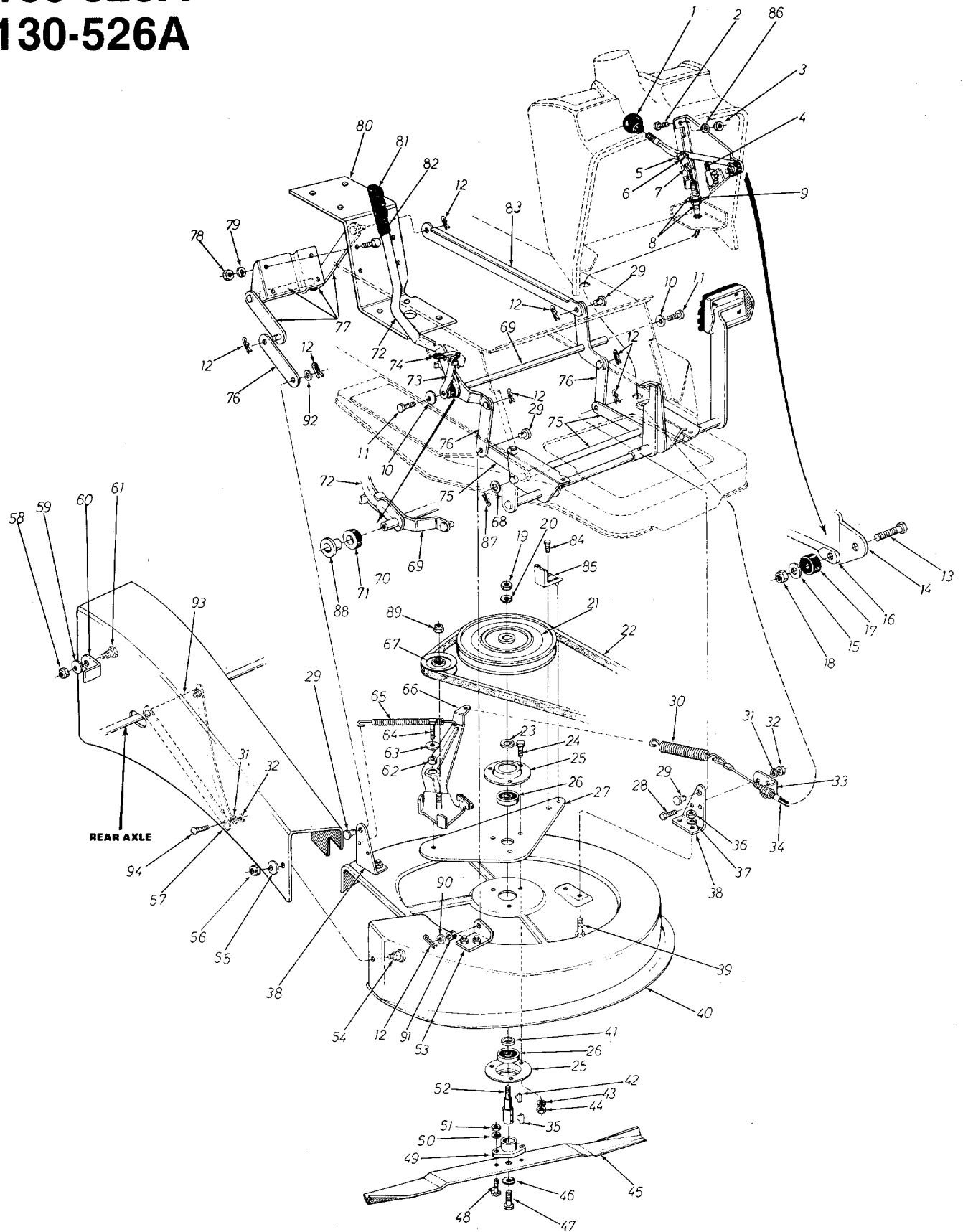
130-525A 130-526A



PARTS LIST FOR MODELS 130-525A AND 130-526A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		51	738-0140		Shdl. Scr. .437" Dia. x .180	
2	732-0256		Seat Spring 3.25" High		52	12484		Idler Brkt. Ass'y.	
3	726-0151		Fastener (Self Ret. 1/4 Turn)		53	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
4	12471	—462	Rear Frame Cover		54	HH-12-03293		Casting—Carrier	
5	12450	—462	Rear Frame		55	738-0129		Shld. Scr. .498" Dia. x 2.00" Lg.	
6	726-0121		Push Cap .25" Dia.—Black		56	HH-15-03149		Pad—Friction	
7	712-0267		Hex Nut 5/16-18 Thd.*		57	734-0715		Rear Wheel Ass'y.—Comp. 14.5 x 4.5	
8	736-0119		L-Wash. 5/16" Scr.*			734-0714		Rear Wheel Tire Only 14.5 x 4.5	
9	720-0165		Ball Knob						
10	11545		Shift Lever—Transmission		58	734-0517		Rear Wheel Rim Only	
11	713-0189		#420 Chain 1/2" Pitch x 77 Links		59	736-0242		Bell. Wash. .345 I.D. x .88 O.D.	
12	713-0154		#420 Master Link		60	710-0627		Hex Cent. Lock Scr. 5/16-24 x .75" Lg. H.T.	
13	710-0513		Hex Scr. 1/4-28 x .62" Lg. (Lock)		61	717-0327		Differential Ass'y. Comp.	
14	736-0270		Bell. Wash. .25" I.D. x .88 O.D. x .062		62	HH-15-02124		Pad—Friction	
15	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		63	HH-03-03303		Disc—Back-up	
16	736-0159		FI-Wash. .344 I.D. x .88 O.D.		64	12853		Seat Support Ass'y.	
17	735-0126		Rubber Wash. .33 I.D. x .87 O.D.		65	12508		Rear Axle Plate	
18	11548		Shift Lever Brkt. Ass'y.		66	741-0199		Flange Brg. w/Flats .753 I.D.	
19	717-0234		Hardened Wash. 1.00 O.D. (Special)		67	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
20	712-0798		Hex Nut 3/8-16 Thd.*		68	736-0134		FI-Wash. .812 I.D. x 1.38" O.D. x .100	
21	736-0169		L-Wash. 3/8" Scr.*		69	12482		Disc Brake Brkt. Ass'y.	
22	747-0155		Brake Rod		70	—		Transmission (Five Speed)	
23	732-0233		Extension Spring		71	HH-12-03292		Casting—Cam	
24	726-0135		Cap Speed Nut 5/16" Rod		72	HH-05-03034		Push Pin	
25	12506		Clutch Lockout Ass'y.		73	761-0130		Disc Brake Ass'y.—Comp.	
26	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*		74	710-0437		Chain Adj. Link 5/16-18 x 4.38" Lg.	
27	12379		Clutch Pedal Pad		75	12460		Rear Axle Brkt.—R.H.	
28	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*		76	732-0245		Brake Spring	
29	12539		Clutch Pedal and Brkt. Ass'y.		77	HH-18-03493		Cam Lever	
30	12486		Brake Lever Ass'y.		78	12459		Rear Axle Brkt.—L.H.	
31	710-0378		Hex Scr. 5/16-18 x 2.50" Lg.		79	732-0157		Brake Return Spring	
32	747-0156		Clutch Rod		80	10360		Plate Ass'y. Axle Bolt	
33	738-0215		Shld. Scr. .498" Dia. x 3.00" Lg.		81	HH-03-03032		Washer	
34	710-0211		Hex Sems Scr. 1/4-20 x .62" Lg.*		82	710-0425		Truss Hd. Mach. Scr. 10-24 x .62" Lg.	
35	12488		Engine Belt Guard Ass'y.		83	12537		Baffle Plate	
36	12534		Pedal "U" Brkt.—R.H.		84	736-0147		Ext. L-Wash.	
37	715-0114		Spring Pin Spiral .25" Dia. x 1.50" Lg.		85	712-0121		Hex Nut 10-24 Thd.*	
38	HH-11-03527		Bushing		86	712-0429		Hex Ins. L-Nut 5/16-18 Thd.	
39	12543		Brake Pedal Shaft Ass'y.		87	736-0329		L-Wash. 1/4" Scr.*	
40	12378		Brake Pedal Pad		88	712-0287		Hex Nut 1/4-20 Thd.*	
41	756-0246		Two Step Engine Pulley		89	738-0143		Shld. Scr. .498 Dia. x .330 Lg.	
42	712-0116		Hex Ins. L-Nut 3/8-24 Thd.		90	712-0134		Hex Top L-Nut	
43	756-0217		FI-Idler w/Flanges 2.75" Dia.		91	HH-06-03031		Spring	
44	712-0922		Hex Jam Nut 1/2-20 Thd.*		92	12541		Chute Pivot Brkt.	
45	736-0921		L-Wash. 1/2" Scr.*		93	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
46	754-0198		"V"-Belt 1/2" x 62" Lg. (Drive)		94	12544	—452	Grass Catcher Adapter	
47	756-0174		Transmission Split Pulley .50" I.D.		95	736-0169		L-Wash. 3/8" Scr.*	
48	714-0129		#4 Hi-Pro Key 3/32 x 5/8" Dia.		96	712-0798		Hex Nut 3/8-16 Thd.*	
49	712-0116		Hex Ins. L-Nut 3/8-24 Thd.		97	710-0289		Hex Scr. 1/4-20 x .50" Lg.*	
50	756-0116		"V"-Idler		98	725-0268		Safety Switch	
					99	714-0365		#6 Hi-Pro-Key 5/32 x 5/8" Dia.	
					100	711-0572		Step Washer Special	
					101	710-0151		Hex Scr. 3/8-24 x 2.00" Lg.*	

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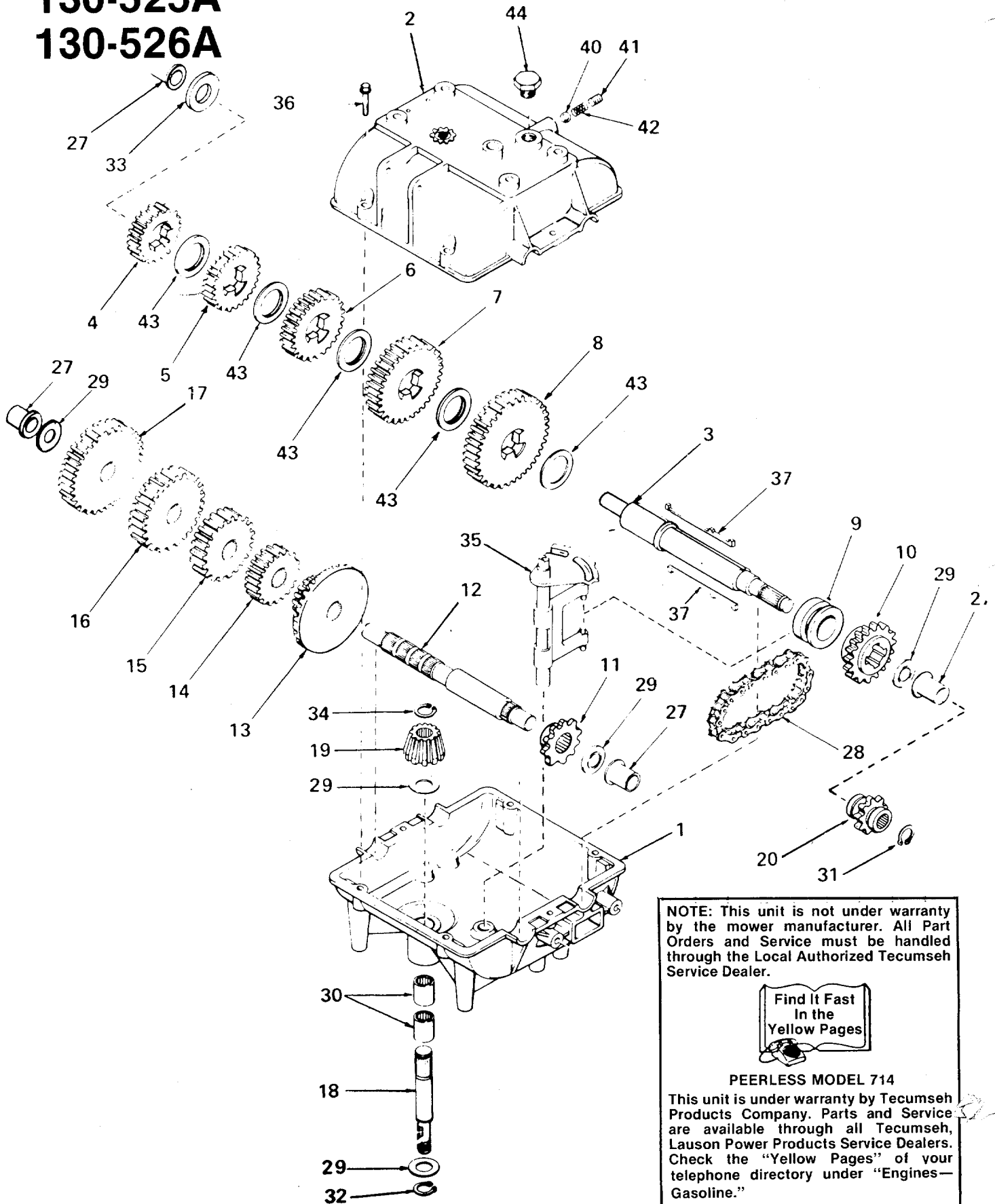
PARTS LIST FOR MODELS 130-525A AND 130-526A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0165		Ball Knob		49	10769		Blade Adapter Kit	
2	710-0286		Truss Mach. Scr. 1/4-20 x .50" Lg.*		50	736-0119		L-Wash. 5/16" Scr.*	
3	712-0287		Hex Nut 1/4-20 Thd.*		51	712-0123		Hex Nut 5/16-24 Thd.*	
4	725-0465		Safety Switch (Blade Clutch)		52	738-0292		Blade Spindle	
5	710-0282		Weld Pin .250 Dia. x .62" Lg.		53	12532		Deck Bracket (Chute)	
6	726-0106		Push Cap .250 Dia.		54	738-0183		Shld. Scr. .500 Dia. x .170 Lg.	
7	761-0145		Clevis		55	736-0140		FI-Wash. .385 I.D. x .88 O.D.	
8	712-0256		Hex Jam Nut 5/16-24 Thd.*		56	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
9	736-0119		L-Wash. 5/16" Scr.*		57	12464	—452	Chute Ass'y.	
10	736-0219		Bell. Wash. .400 I.D. x 1.110 O.D.		58	712-0429		Hex Ins. L-Nut 5/16-18 Thd.	
11	710-0623		Hex Wash. Hd. Self-Tap Scr. 3/8-16 x .75" Lg.		59	736-0242		Bell. Wash. .345 I.D. x .88 O.D.	
12	714-0101		Internal Cot-Pin 1/2" Dia.		60	12541		Chute Pivot Brkt.	
13	725-0581		Hex Scr. 1/4-20 x 1.25" Lg.*		61	738-0140		Shld. Scr. .437 I.D. x .180" Lg.	
14	12476		Deck Clutch Control Brkt.		62	750-0258		Spacer .315 I.D. x .75 O.D. x .370 Lg.	
15	736-0173		FI-Wash. .280 I.D. x .750 O.D. x .063		63	736-0231		FI-Wash. .312 I.D. x 1.12 O.D. x .12	
16	747-0157		Blade Clutch Lever		64	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.	
17	735-0165		Rubber Washer		65	732-0308		Extension Spring	
18	712-0107		Hex Cent. L-Nut 1/4-20 Thd.		66	12469		Deck Idler Brkt. Ass'y.	
19	712-0261		Hex Nut 5/8-11 Thd.*		67	756-0116		V-Idler Pulley	
20	736-0158		L-Wash. 5/8" Scr.*		68	736-0116		FI-Wash. .630 I.D. x .930 O.D. x .060	
21	756-0143		Deck Pulley		69	12472		Lift Handle Shaft Ass'y.	
22	754-0195		"V"-Belt "A" or 1/2" x 54" Lg.		71	735-0180		Rubber Wash.	
23	748-0168		Spacer		72	749-0174		Lift Handle	
24	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*		73	12479		Lift Handle Stop	
25	08253		Bearing Housing		74	11249		Height Adj. Knob	
26	741-0919		Ball Brg. .787 I.D. x 1.850 O.D.		75	12477		Lift Arm Shaft Ass'y.	
27	12453		Deck Belt Guard Plate		76	10317		Deck Link	
28	710-0211		Hex Sems Scr. 1/4-20 x .75" Lg.*		77	12502		Lift Pivot Brkt. Ass'y.	
29	711-0332		Lift Brkt. Pin Special		78	712-0287		Hex Nut 1/4-20 Thd.*	
30	732-0180		Extension Spring .73 O.D. x 4.31" Lg.		79	736-0329		L-Wash. 1/4" Scr.*	
31	736-0329		L-Wash. 1/4" Scr.*		80	12853		Seat Support Ass'y.	
32	712-0287		Hex Nut 1/4-20 Thd.*		81	720-0157		Grip	
33	12509		Cable Bracket		82	710-0597		Hex Sems Scr. 1/4-20 x 1.00" Lg.*	
34	746-0253		Clutch Control Cable 26.88" Lg.		83	12495		Connecting Link	
35	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.		84	710-0627		Hex Wash. Hd. Self-Tap Scr. 5/16-24 x .75" Lg.	
36	712-0267		Hex Nut 5/16-18 Thd.*		85	10426		Belt Keeper Ass'y.	
37	736-0119		L-Wash. 5/16" Scr.*		86	736-0329		L-Wash. 1/4" Scr.*	
38	12531		Deck Bracket		87	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.	
39	710-0451		Carriage Bolt 5/16-18 x .75" Lg.*		88	748-0176		Flange Brg. .62 I.D. x .87 O.D. x .63" Lg.	
40	12455	—452	26" Deck—Rear Discharge		89	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
41	750-0142		Spacer .836 I.D. x 1.01 O.D. x .320 Lg.		90	736-0160		FI-Wash. .530 I.D. x .940 O.D. x .050	
42	714-0388		#61 Hi-Pro Key 3/16 x 5/8" Dia.		91	735-0185		Rubber Wash. .531 I.D. x 1.00 O.D. x .120	
43	736-0119		L-Wash. 5/16" Scr.*		92	736-0192		FI-Wash. .531 I.D. x .93 O.D. x .090	
44	712-0267		Hex Nut 5/16-18 Thd.*		93	12852		Chute Baffle	
45	742-0194		26" Blade		94	710-0167		Carriage Bolt 1/4-20 x .50" Lg.*	
46	736-0217		L-Wash. 3/8" Scr. H.D.		95	711-0310		Clevis Pin 1.060	
47	710-0459		Hex Scr. 3/8-24 x 1.50" Lg. H.T.						
48	710-0117		Hex Scr. 5/16-24 x 1.00" Lg. H.T.						

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

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TRANSMISSION MODEL NO. PEERLESS 714



NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



PEERLESS MODEL 714

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

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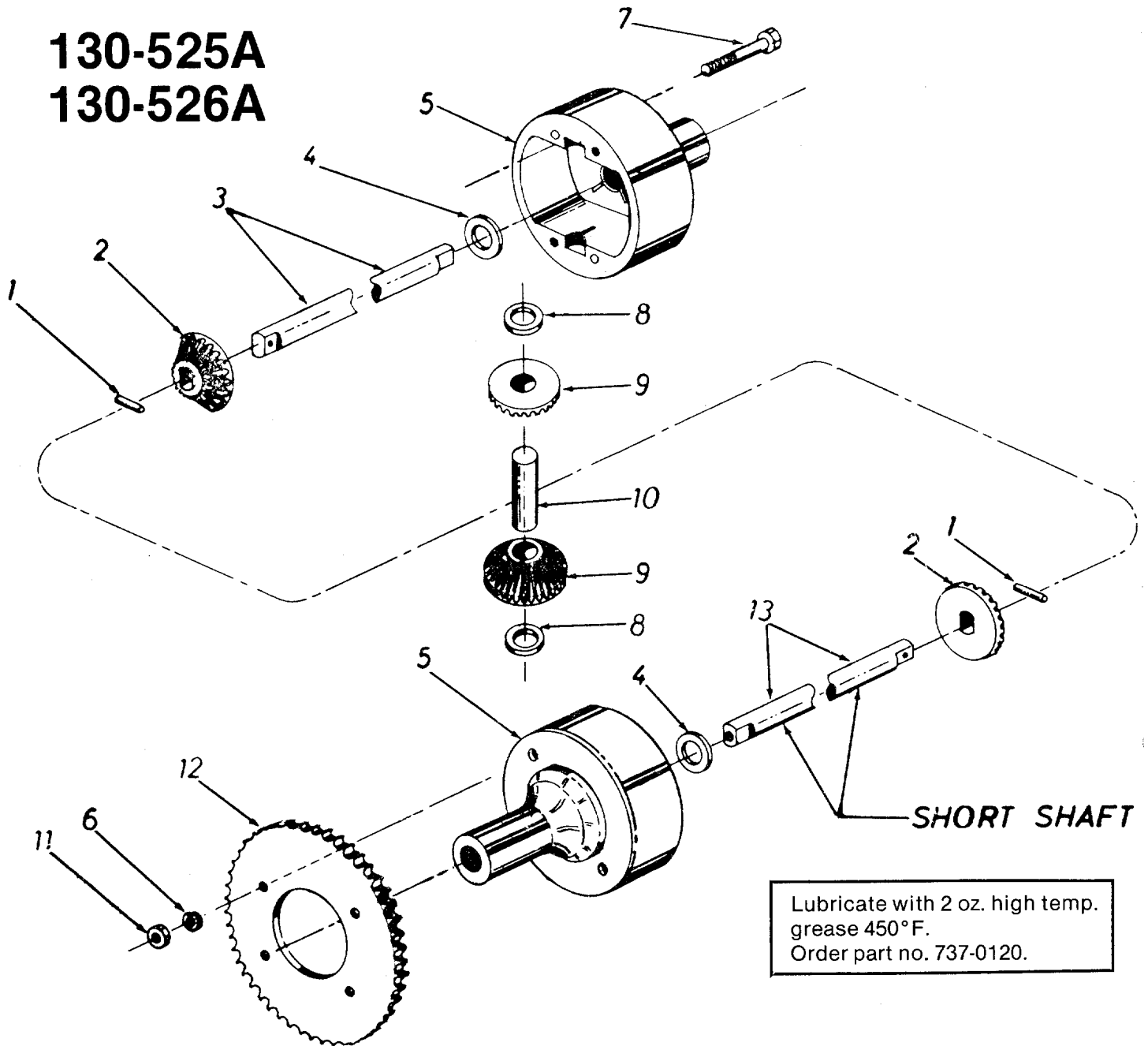
**PARTS LIST FOR PEERLESS MODEL 714
TRANSMISSION**

REF. NO.	PART NO.	DESCRIPTION
1	PE-770061	Case, Transmission
2	PE-772070	Cover, Transmission
3	PE-776166	Shaft, Output
4	PE-778121	Gear, Spur (20 Teeth)
5	PE-778122	Gear, Spur (22 Teeth)
6	PE-778123	Gear, Spur (25 Teeth)
7	PE-778124	Gear, Spur (30 Teeth)
8	PE-778125	Gear, Spur (35 Teeth)
9	PE-784266	Collar, Shift
10	PE-786060	Sprocket (14 Teeth)
11	PE-786061	Sprocket (10 Teeth)
12	PE-776134	Shaft, Counter
13	PE-778109	Gear, Bevel (42 Tooth & 15 Tooth spur gear)
14	PE-778126	Gear, Spur (20 Teeth)
15	PE-778127	Gear, Spur (25 Teeth)
16	PE-778128	Gear, Spur (28 Teeth)
17	PE-778129	Gear, Spur (30 Teeth)
18	PE-776140	Shaft, Input
19	PE-778113	Bevel Pinion, Input
20	PE-786049	Sprocket (8 Teeth)
27	PE-780105	Bushing, Flanged
28	PE-786062	Chain, Roller (No. 41 Chain, 22 Links)
29	PE-780072	Race, Thrust
30	PE-780106	Bearing, Needle
31	PE-792072	Ring, Retaining
32	PE-792035	Ring, Retaining
33	PE-780109	Washer
34	PE-788040	Ring, Retaining
35	PE-784271	Rod and Fork Ass'y., Shift
36	PE-792073	Screw, Hex Hd. Taptite, 1/4-20 x 1 1/4
37	PE-792089	Key
40	PE-792077	Ball, Steel, 5/16"
41	PE-792078	Screw, Set, 3/8-16 x 3/8
42	PE-792079	Spring
43	PE-780108	Washer, Thrust
44	PE-792074	Plug

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."



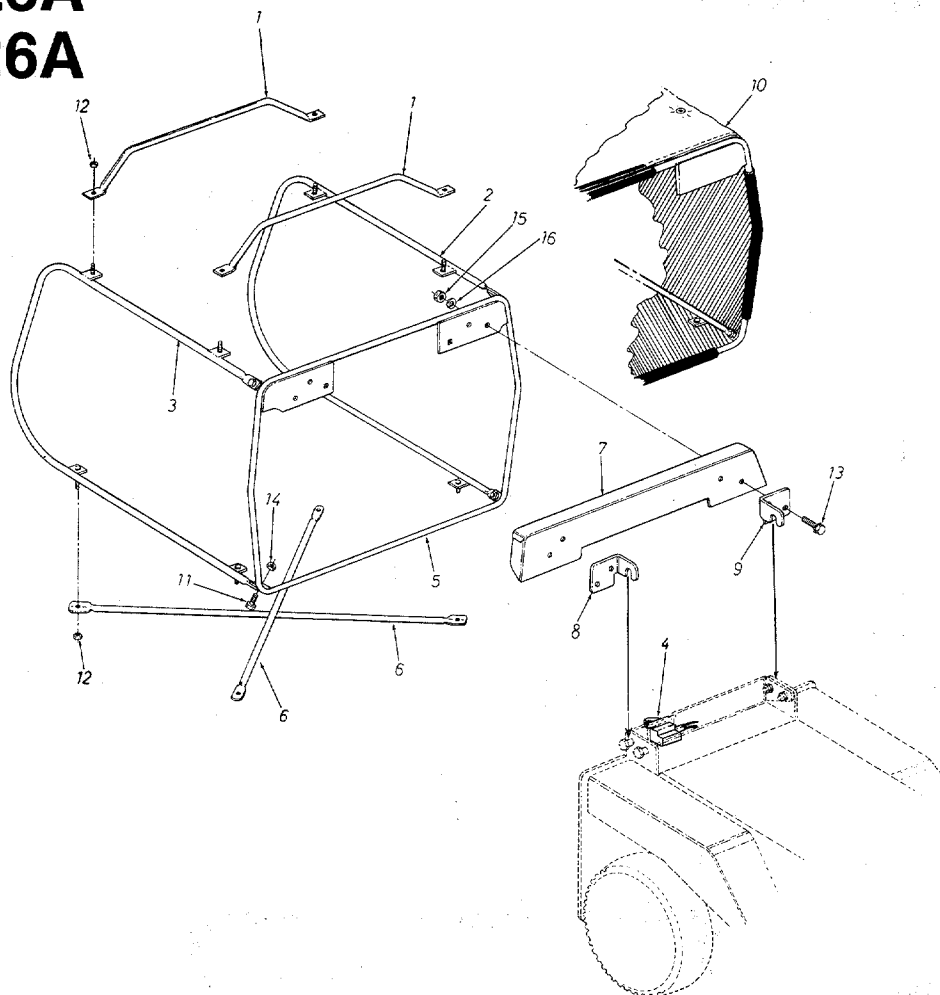
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PARTS LIST FOR DIFFERENTIAL ASSEMBLY 717-0327

REF. NO.	PART NO.	Qty. Req'd	DESCRIPTION	NEW PART
1	715-0247	2	Spring Pin Spiral 3/16" Dia. x 1.00" Lg.	
2	748-0185	2	Gear—Double "D" Hole	
3	738-0302	1	Shaft—Long 15.11" Lg.	
4	736-0188	2	Fl-Wash. .760 I.D. x 1.49 O.D.	
5	717-0341	2	Housing Half	
6	736-0119	2	L-Wash. 5/16" Scr.*	
7	710-0363	2	Hex Scr. 5/16-24 x 4.00" Lg.*	
8	736-0187	2	Fl-Wash. .640 I.D. x 1.24 O.D.	
9	748-0158	2	Gear—Round Hole	
10	711-0276	1	Drive Pin	
11	712-0237	2	Hex Cent. L-Nut 5/16-24 Thd.	
12	713-0162	1	Sprocket—48 Tooth	
13	738-0303	1	Shaft—Short 7.58" Lg.	

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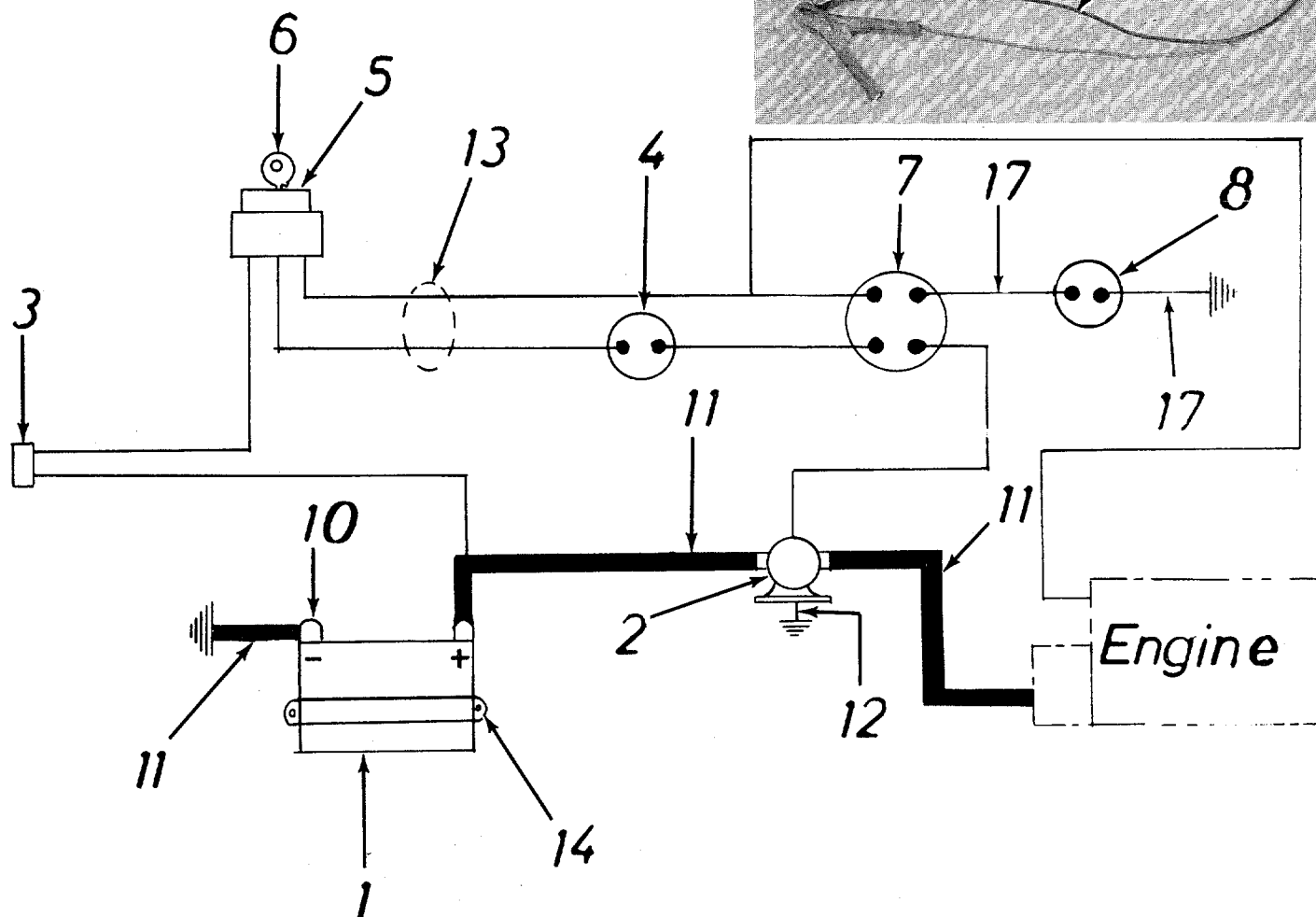
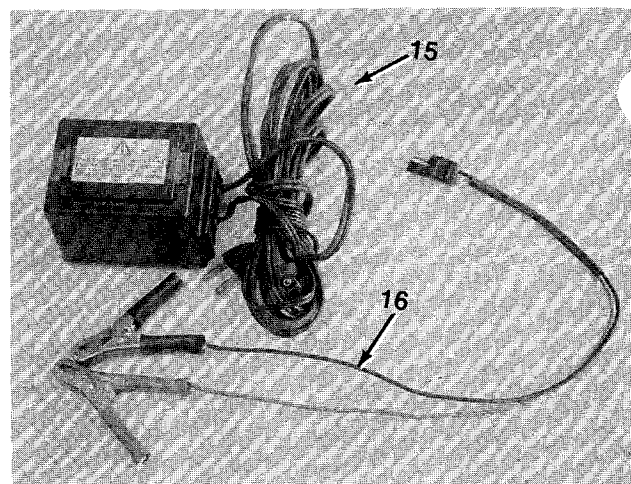


PARTS LIST FOR MODELS 130-525A AND 130-526A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	749-0221		Catcher Handles	
2	12889		Catcher Side Frame Ass'y. L.H.	
3	12890		Catcher Side Frame Ass'y. R.H.	
4	725-0713		Safety Switch (Grass Catcher)	
5	12887		Catcher Frame Ass'y.	
6	749-0220		Bottom Cross Brace	
7	12891		Dust Cover	
8	12574		Hinge—R.H.	
9	12573		Hinge—L.H.	
10	764-0164		Grass Bag	
11	710-0258		Hex Scr. 1/4-20 x .62" Lg.*	
12	712-0107		Hex Cent. L-Nut 1/4-20 Thd.	
13	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
14	712-0107		Hex Cent. L-Nut 1/4-20 Thd.	
15	712-0267		Hex Nut 5/16-18 Thd.*	
16	736-0119		L-Wash. 5/16" Scr.*	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

130-525A ONLY

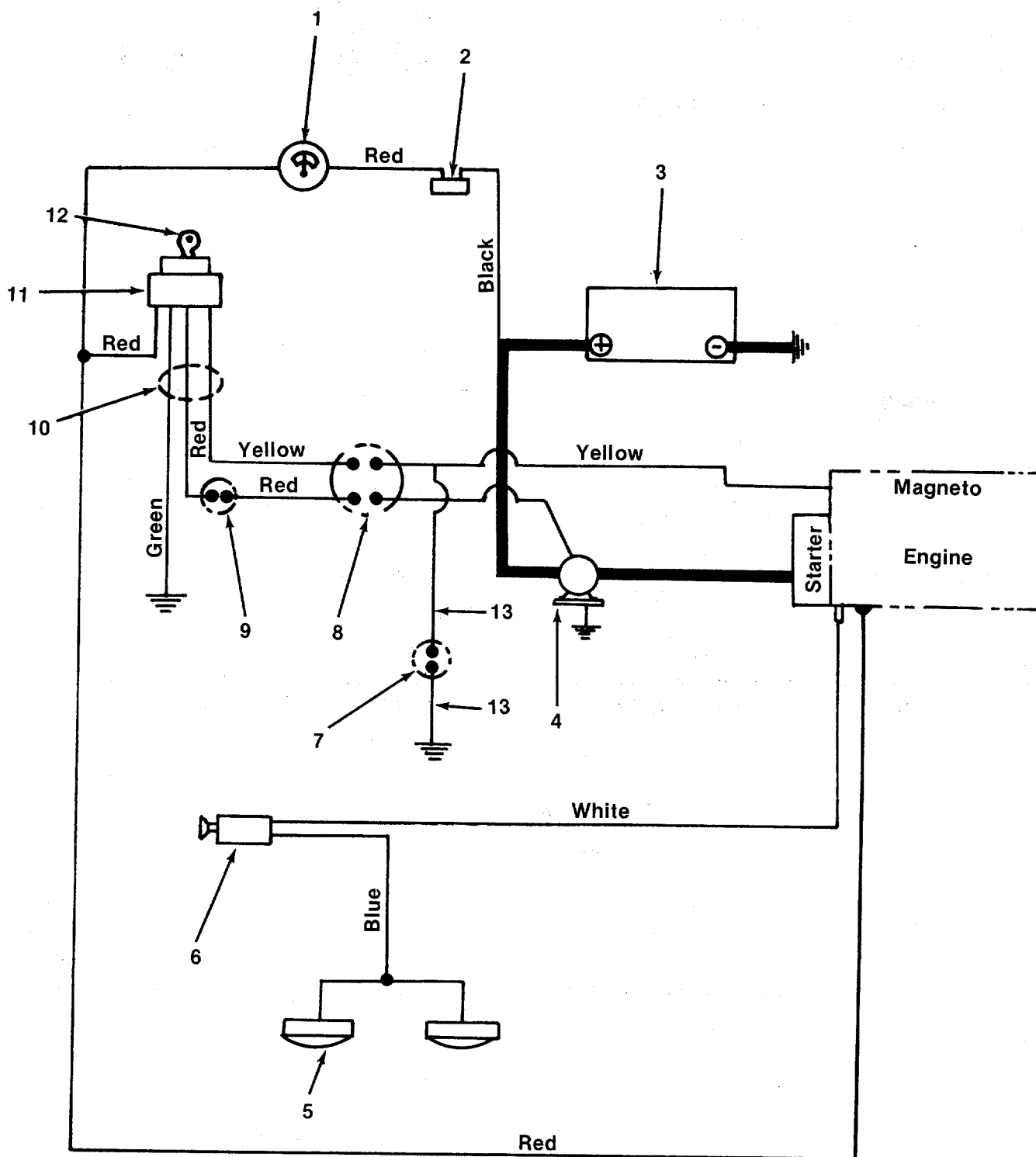


WIRING DIAGRAM AND PARTS LIST FOR MODEL 130-525A ONLY

REF. NO.	PART NO.	DESCRIPTION	NEW PART	REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-0453	12 Volt Vented Manifold Battery		11	725-0387	Electric Wire	
2	725-0530	Solenoid		12	725-0122	Electric Wire	
3	725-0459	Circuit Breaker 8 Amp.		13	725-0581	Wire Harness	
4	725-0268	Safety Switch Black Plunger		14	12614	Hold Down	
5	725-0267	Ignition Switch			711-0222	Hold Down Rod	
6	725-0201	Key for Switch			712-0109	Wing Nuts 1/4-20 Thd.*	
7	725-0465	Safety Switch DPST		15	725-0578	Battery Charger	
8	725-0713	Interlock Switch	N	16	725-0579	Charger Clip Adapter Wire	
10	710-0252	Hex Scr. 1/4-20 x .75 Lg.*		17	725-0712	Wire Lead	N
	736-0329	L-Wash. 1/4 Scr.*					
	712-0287	Hex Nut 1/4-20 Thd.*					

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

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PARTS LIST FOR ELECTRICAL SYSTEM MODEL 130-526A ONLY

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	725-0119		Ammeter		8	725-0465		Safety Switch (Blade Switch)	
2	725-0459		Circuit Breaker		9	725-0268		Safety Switch (Drive Switch)	
3	725-0453		12-V Battery		10	725-0657		Wiring Harness	
4	725-0530		Solenoid		11	725-0267		Ignition Switch	
5	725-0417		Headlight		12	725-0201		Ignition Key	
6	725-0646		Headlight Switch		13	725-0712		Wire Lead	N
7	725-0713		Safety Switch (Grass Catcher)	N					

TESTING THE SAFETY CIRCUITS ON THE ELECTRIC START RIDER

CHECK FOR PROPER OPERATION (Grass Catcher Attached)

- A. Depress and lock the clutch in the disengaged position.
- B. Place the blade disengagement lever in the disengaged position.
- C. Turn the ignition key to the "START" position. The starter motor should crank.



NOTE

If the starter cranks, but the engine does not run, the problem is within the engine (no spark, no fuel, etc.), not with the safety interlock system.

- D. With the engine running, engage the blade engagement lever. The engine should continue to run.
- E. Lift the grass catcher until the grass catcher is at least one inch from the interlock switch located on the rear of the rider. The engine should stop.
- F. Replace the grass catcher and restart the engine.
- G. Turn the ignition key to the "OFF" position, the engine should stop.

ENGINE WILL NOT CRANK (Battery Fully Charged)

1. Check to see that both wires (one large from the solenoid and one small from the harness) are attached to the positive terminal of the battery.
2. Check to see that the small red wire from the harness is attached to the primary terminal of the solenoid. The primary terminal is the smaller terminal on the solenoid. The solenoid is the black unit located on the side of the steering gear box.
3. Check the positive wire connections for tightness between the positive terminal of the battery and the solenoid and between the solenoid and the engine starter motor.
4. Check the ground wires between the negative terminal of the battery and the frame and between the base of the solenoid and the engine block.



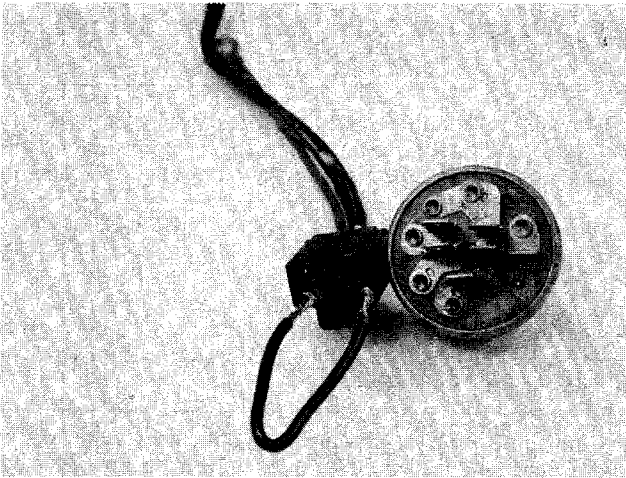
WARNING

The following test procedures bypasses the safety interlock system. It is only to be used for testing purposes and the safety procedures **MUST** be followed. (Clutch disengaged, blade engagement lever in the disengaged position.)

5. Disconnect the spark plug wire and ground it against the engine block.
6. Disconnect the wire to the primary terminal on the solenoid (small wire).
7. Using an 18 gauge wire, connect one end to the positive terminal of the battery and **TOUCH** the other end to the primary terminal on the solenoid.
8. If the engine **DOES NOT CRANK**:
 - A. Use 6 gauge wire and jump across the two large terminals on the solenoid.
 - B. If the engine cranks, the solenoid is defective and should be replaced.
 - C. If the engine does not crank, the problem is in the starter motor on the engine.

If The Engine DOES Crank:

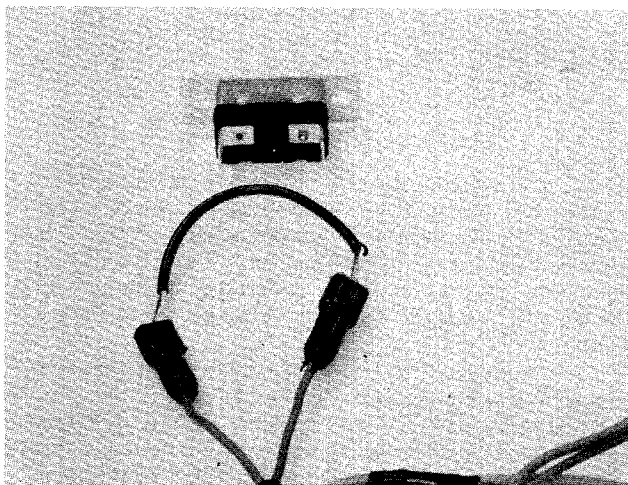
- A. Unplug the safety switch on the clutch and jump the two connectors. The blade engagement lever should be in the disengaged position. Turn the ignition key to the "START" position. If the engine cranks, replace the switch.
- B. Unplug the two red wires on the blade engagement switch on the normally open circuit. Use the 18 gauge wire to jump the two connectors. Turn the ignition switch to the "START" position and depress the clutch pedal to activate the clutch switch. If the engine cranks, replace the switch.
- C. Lock the clutch in the disengaged position. Place the blade engagement lever in the engaged position. Use a piece of 18 gauge wire to jump the two terminals shown in the sketch. Engage the blade engagement lever. If the engine cranks, replace the ignition switch.



Circuit Breaker

The wire harness contains a circuit breaker that will shut off in the event of a short circuit or an overload on the electrical system. The circuit breaker will reset itself in approximately 20 seconds. If the circuit breaker continues to open and close, disconnect the negative (ground) wire from the battery. Correct the reason for the circuit breaker opening and closing before connecting the ground wire on the battery.

- D. Unplug the circuit breaker. Jump between the two terminals. Depress the clutch pedal, place the blade engagement lever in the disengaged position, and turn the ignition switch to the "START" position. If the engine cranks, replace the circuit breaker.
- E. If the engine fails to crank after testing the above components, use the 18 gauge wire to check continuity of the wire between the components. Replace the defective wire or the wire harness.



ENGINE SHUTS OFF

When The Blade Engagement Lever Is Engaged.

- A. Check the position of the grass catcher on the rider. The grass catcher should touch the interlock switch when the catcher is attached to the rider.
- B. Disconnect the brown wire from the interlock switch to the harness. If the engine keeps running with the blade engagement lever engaged, replace the interlock switch.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative, identified at the terminal post by (Neg, N or -), grounded. The positive (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blow fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	<p>Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working, either engine alternator or trickle charger.</p> <p>Trickle Charger. Check with multimeter. Charger 725-0578—input 120 V A.C., no load output 13.5 V D.C., rated load current 1 amp. Charger 725-0507—input 120 V A.C., no load output 17.4 V D.C., rated load current 1/2 amp.</p> <p>Alternator (dual or single circuit) The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.</p> <div style="text-align: center;"> <p>The diagram shows a cross-section of the wiring harness. On the left, a red wire is labeled 'Red Wire' and a black wire is labeled 'Black Wire'. They are connected to a 'Diode' and a 'Shrink Tube'. An arrow points from the diode towards the left, labeled 'To Alternator'. On the right, a '3 AMP DC (Batt.)' wire and a '7 AMP AC (Lamps)' wire are connected to a 'Polarized Plug'.</p> </div> <p>The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.</p>
	Mechanical failure. (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. If the engine does not crank: (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
Engine cranks but will not start	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke (if separate control) for starting.

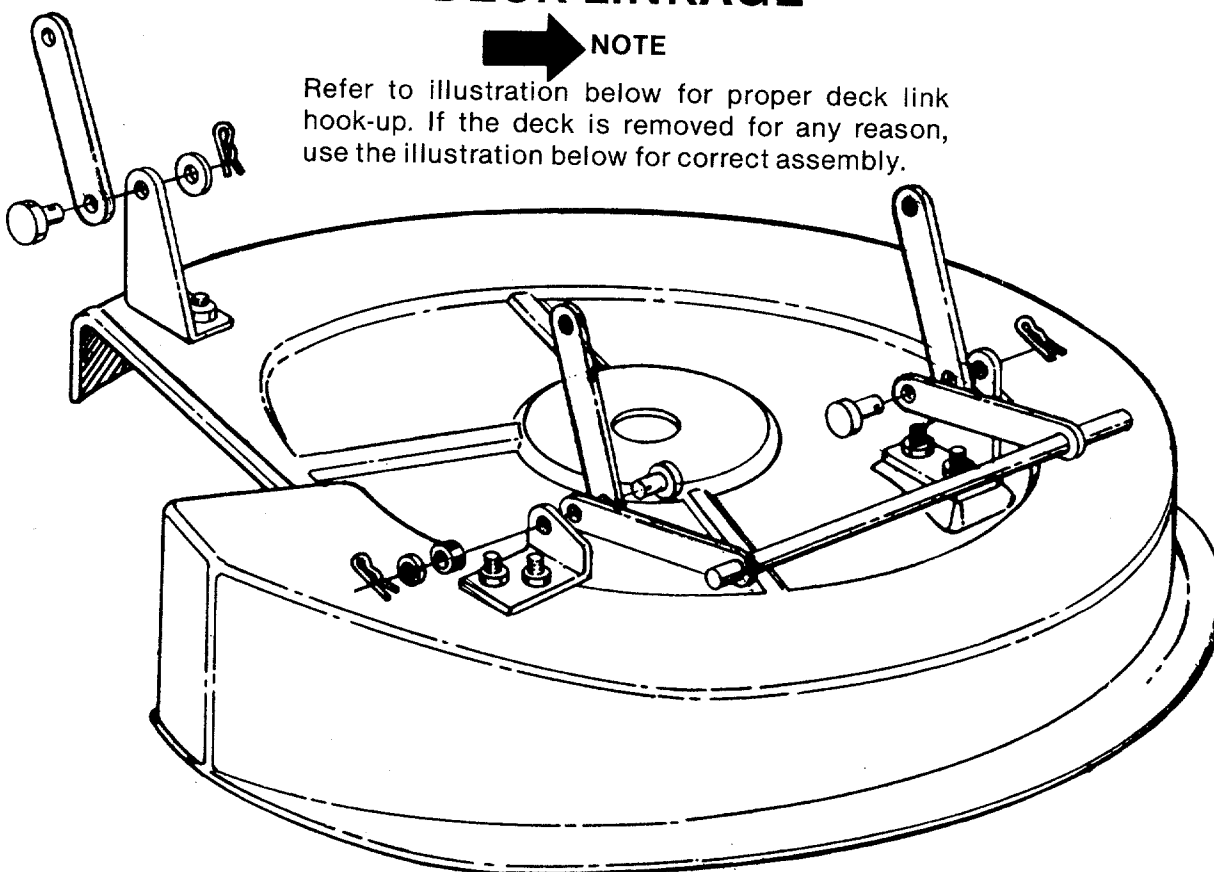
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel valve shut off. Open valve. Valve is located either at the bottom of the fuel tank or on the carburetor. Fuel line plugged. Remove and clean.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	Stop engine immediately. Check all pulleys, blade spindles, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	Stop engine immediately. Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips	Engine speed low	Throttle must be set between 3/4 and full throttle.
	Transmission selection	Use lower transmission gear. The slower your ground speed the better the quality of cut.
	Blades short or dull	Sharpen or replace blades (uncut strip problem only).

DECK LINKAGE



Refer to illustration below for proper deck link hook-up. If the deck is removed for any reason, use the illustration below for correct assembly.



PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts number, description of parts and the quantity of each part required.

ALABAMA	BIRMINGHAM
Auto Electric & Carburetor Co.	2625 4th Ave. S. 35233
ARKANSAS	FORT SMITH
Mity Mite Motors, Inc.	4515 South 16th Street 72901
	NORTH LITTLE ROCK
Sutton's Lawn Mower Shop	Rt. 4 Box 368. 72117
CALIFORNIA	PORTERVILLE
Billious	75 North D Street 93257
	SAN BERNARDINO
Lawn Mower Supply Co.	25608 E. Baseline 92410
	SAN FRANCISCO
J.W. Jewett Co.	981 Folsom St. 94107
COLORADO	DENVER
South Denver Lawn Equip.	527 West Evans 80223
FLORIDA	JACKSONVILLE
Radco Distributors	2403 Market St. 32206
	OPA LOCKA
Small Eng. Dist.	2351 N.W. 147th St. 33054
GEORGIA	EAST POINT
East Point Cycle & Key.	2834 Church St. 30344
ILLINOIS	LYONS
Keen Edge Co.	8615 Ogden Ave. 60534
INDIANA	ELKHART
Parts & Sales Inc.	2101 Industrial Pkwy. 46514
IOWA	DUBUQUE
Power Lawn & Garden Equip.	2551 J.F. Kennedy. 52001
LOUISIANA	NEW ORLEANS
Suhren Engine Co.	8330 Earhart Blvd. 70118
MARYLAND	TAKOMA PARK
Center Supply Co.	6867 New Hampshire Ave. 20012
MASSACHUSETTS	SPRINGFIELD
Morton B. Collins Co.	300 Birnie Ave. 01107
MICHIGAN	LANSING
Lorenz Service Co.	2500 S. Pennsylvania. 48910
	MOUNT CLEMENS
Power Equipment Dist.	36463 South Gratiot .. 48043
MINNESOTA	HOPKINS
Hance Distributing Inc.	420 Excelsior Ave. W. 55343
	ST. PAUL
Power Tools Inc.	3771 Sibley Memorial Hwy. 55122
MISSISSIPPI	BILOXI
Biloxi Sales & Service, Inc.	506 Caillavet St. 39533
MISSOURI	KANSAS CITY
Automotive Equip. Service	3117 Holmes St. 64109
	ST. JOSEPH
Ross-Frazier Supply Co.	8th and Monteray 64503
	ST. LOUIS
Henzler, Inc.	2015 Lemay Ferry Rd. 63125
NEW JERSEY	BELLMAWR
Lawnmower Parts Inc.	717 Creek Rd. 08030
	RUTHERFORD
Feld Distributor	28 Glen Rd. 07070
NEW YORK	CARTHAGE
Gamble Dist., Inc.	West End Ave. 13619

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

	SYRACUSE
GTP Leisure Products Inc.	420 Marcellus St. 13204
NORTH CAROLINA	GOLDSBORO
Smith Hardware Co.	515 N. George St. 27530
	GREENSBORO
Dixie Sales Company	327 Battleground Ave. 27402
OHIO	CARROLL
Stebe's Mid-State Mower Supply ...	Box 366-71 High St. ... 43112
	CLEVELAND
Bleckrie, Inc.	7900 Lorain Ave. 44102
	WADSWORTH
National Central	687 Seville Rd. 44281
	YOUNGSTOWN
Burton Supply Co.	1301 Logan Ave. Box 929 .. 44501
OKLAHOMA	ADA
Ada Auto Supply	301 E. 12th St. 74820
	MUSKOGEE
Victory Motors, Inc.	605 S. Cherokee. 74401
	OKLAHOMA CITY
Forest Sales Inc.	1039 NW 63rd St. 73116
OREGON	PORTLAND
Kenton Supply Co.	8216 N. Denver Ave. ... 97217
PENNSYLVANIA	CHESTER
Stull Equipment Corp.	742 W. Front St. 19013
	HARRISBURG
EECO Inc.	4021 N. 6th St. 17110
	PHILADELPHIA
Thompson Rubber Co.	5222-24 N. Fifth St. ... 19120
	PITTSBURGH
Bluemont Co.	11125 Frankstown Rd. 15235
TENNESSEE	KNOXVILLE
Master Repair Service.	2000 Western Ave. 37921
	MEMPHIS
Memphis Cycle & Supply Co.	421 Monroe Ave. 38103
American Sales & Service, Inc.	1922 Lynnbrook. 38116
TEXAS	DALLAS
Marr Brothers, Inc.	423 E. Jefferson. 75203
	FORT WORTH
Woodson Sales Corp.	1702 N. Sylvania 76111
	HOUSTON
Bullard Supply Co.	2409 Commerce St. ... 77003
	SAN ANTONIO
Catto & Putty, Inc.	414 Live Oak 78298
UTAH	SALT LAKE CITY
A-1 Engine & Mower Co.	437 E. 9th St. 84111
VERMONT	BURLINGTON
Vermont Hdwe. Co. Inc.	180 Flynn Ave. 05401
VIRGINIA	RICHMOND
RBI Corp.	963 Myers St. 23260
WASHINGTON	SEATTLE
Bailey's Inc.	1414 14th Ave. 98102
WEST VIRGINIA	CHARLESTON
Young's, Inc.	233 Virginia St., E. 25301
WISCONSIN	APPLETON
Automotive Supply Co.	123 S. Linwood Ave. ... 54911

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.